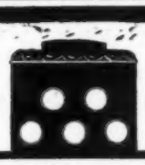
LIBRARY OF CONGRESS
RECEIVED
SEP 9 1901
PERIODICAL DIV.

The American Artisan
THE HARDWARE RECORD

Volume 42 —No. 10 CHICAGO, SEPTEMBER 7. 1901. $2.00 Per Year.

Trying—to—do—business—without—advertising—is—like—winking—at—a—girl—in—the—dark;—you—know—what—you—are doing—but—nobody—else—does.

BRADLEY SHELF BRACKETS.
Strong, Light and All Right.
ATLAS MFG. CO., New Haven, Ct.



Independent Square Stove Pipe Radiators.
You can sell some this fall. Let us post you.
Independent Register Co.,
158 Champlain St. Cleveland, O.

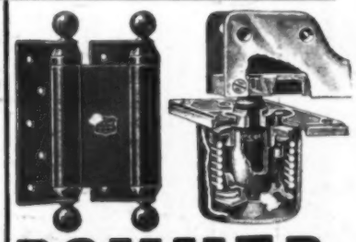
Our Facilities

are unsurpassed by any firm in the United States for the manufacture of

Stove Bolts,
Stove Rods,
Machine Screws,
Pointed Pins,
Threaded Wires,
Rivets,
Special Bolts,
Mica Bolts,
Cold Pressed Nuts.

We have a large *clientele* among stove men who appreciate our high quality, prompt deliveries and attractive prices. Let us hear from you.

Atlas Bolt & Screw Co.,
Cleveland, O.



BOMMER SPRING HINGES.
BOMMER BROS. BROOKLYN, N.Y.

A UNIVERSAL REMEDY FOR
LEAKY ROOFS.

The valuable qualities of a good roofing cement are firm adhesiveness and elasticity. These qualities the

AMERICAN SEAL BUILDERS' AND ROOFERS'
ELASTIC OIL CEMENT

possesses. It will adhere firmly to Slate or Metal and will not crack or crumble. It is especially recommended for repairing leaks around chimneys, dormer windows, skylights, scuttles, firewalls and any place that requires fixing on a roof, either Slate, Tin or Shingle.

**This Cement** will answer to repair **a roof** when **Solder** can not be used.

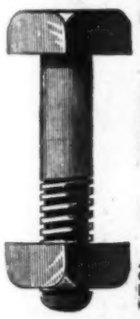
MANUFACTURED BY
Wm. Connors Paint Mfg. Co.
TROY, N. Y.
WESTERN AGENTS—J. L. PERKINS & CO.,
241 Lake Street, - - - CHICAGO, ILL.
STOCKHOFF SUPPLY CO., ST. LOUIS, MO.

THIS SPACE FOR SALE
Inquire of Owner,
Daniel Stern, 69 Dearborn St.
CHICAGO.

Black Diamond Files and Rasps.
PERFECT—ALWAYS
Twelve Medals Awarded.

At International Expositions.

G. & H. BARNETT CO.,
Black Diamond File Works. PHILADELPHIA, PA.



Columbus Bolt Works,
Columbus, O.

Bolts,
Nuts,
Washers,
Turn Buckles,
Bridge and Roof Rods
and Bolts
ALL KINDS OF CARRIAGE FORGINGS. ON APPLICATION. CATALOGUE

THE "GLOBE" VENTILATOR,
In Brass, Copper, Galvanized Iron and with Glass Tops for Skylight purposes.

FOR PERFECTLY VENTILATING
Schools, Churches, Halls, Mills, Factories and Audience Rooms of Every Character.

SMOKY CHIMNEYS CURED.
"Globe Ventilated Ridging"
Send for Pamphlet.

Manufactured by
GLOBE VENTILATOR CO., TROY, N. Y.

# BOILERS AND RADIATORS

A Postal Card from you will bring valuable, complete information in regard to the best, most comprehensive, strictly modern line of these goods.

WRITE US TODAY.
New York, Boston, Philadelphia, St. Louis, Buffalo, Minneapolis, Denver, Detroit, London.

AMERICAN RADIATOR COMPANY

Lake and Dearborn Sts., CHICAGO.

# "TABASCO" Water Heaters.

ALL STEEL, SELF-FEED, SHAKING GRATE.

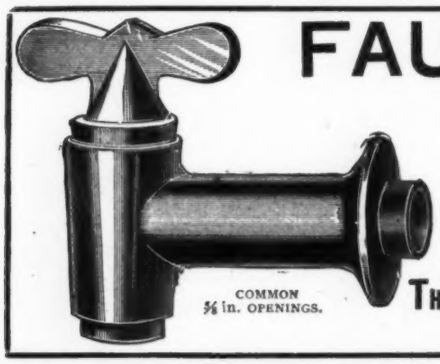
FOR Small Residences, Greenhouses, Flats, Hotels, Baptisteries, Bath Houses, any place a supply of hot water is needed.

SEND FOR CATALOGUE.

Kewanee Boiler Compa'y
Kewanee, Ill.

CHICAGO STORE: 167-169 E. Lake St., CHICAGO.

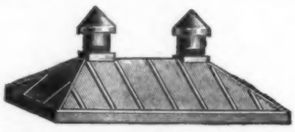
# FAUCETS.



COMMON ⅝ in. OPENINGS.

Beer
Milk Can
Oil Can
Cream Separator,
of Various Sizes and Styles.

MF'D. BY
THE CLARK NOVELTY CO.
ROCHESTER, N. Y.



# "The Illinois"

METALLIC SKYLIGHTS

Are known in every State. Have stood the test for years. Are made in 10 styles and 500 sizes. Complete Skylight, Cornice and Finial Catalogue mailed free.

J. H. JONES, Mfr.,
Lock Box 33. STREATOR, ILL.

G. G. Arbogast, Monterey, Va., writes: "I beg to take advantage of your kind offer of inserting a free want ad. in your journal. Am a regular subscriber to The American Artisan, and I can tell you, without an iota of flattery, that I find it indispensable."

# The Kelsey Warm Air Generator.

Study the construction of the Kelsey and the principle employed in warming the air, and you will be convinced of its efficiency.

In the Kelsey the air is warmed thoroughly and evenly by passing in separate channels through the cast iron sections.

There are from nine to seventeen of these sections in a Generator, according to its size.

Each section weighs about 70 pounds, and has 8 square feet of heating surface.

These immense surfaces and this great weight of cast iron, being in direct contact with and over the fire, are kept heated to any required degree with a most economical consumption of fuel.

**The Kelsey Method of Warming the Air is the Best Method.**

**Send for Booklet.**

## Kelsey Furnace Co., Makers,

MAIN OFFICE, SYRACUSE, N. Y.

NEW YORK OFFICE, 239 Water St.

James Smart Mfg. Co., Brockville, Ont. Sole Manufacturers for Canada.

Cook & Van Evera Co., 38-40 E. Lake St., Chicago, Ill., Western Selling Agents.

# QUICK MEAL

THE RANGE THAT LEADS

## The practical old-time Tinner says

A SIMPLER, MORE PERFECT or BETTER FITTING RESERVOIR could not be made than the

## New "Quick Meal" Right Hand Reservoir

It is SIMPLE, DURABLE and PRACTICAL. **Nothing else like it on the market.** No dampers to interfere with the draft or confuse the operator. The outside casing is ornamental and so arranged as to allow the air to circulate between the casing and the Reservoir, preventing sweat and steam from draining down the Reservoir sides.

**"Quick Meal" Reservoirs** are made of Copper, its pockets being drawn out of one piece of extra heavy copper, double seamed to the body and covered on the fire ends with a piece of heavy sheet steel to protect the copper from the extreme heat. When the Reservoir is in place the pockets project through the right wall of the Range and fit flush on the inside, making no obstruction in the flue and allowing the heat to come in direct contact. They are as good as the "Quick Meal" Left-Hand Reservoir—they could not be **better**—but they are better than any right-hand reservoir ever made.

# RINGEN STOVE Co SAINT LOUIS

# Brilliant Novelty

A Twentieth Century, Popular Grade, Double Heater, Base Burner.

Ornate, Powerful, Attractive.

A very efficient and economical flue construction.

Powerful double heater; takes cold air off floor.

Duplex Grate.

Large fire-pot and magazine; both removable; former through the front doors, latter through the top.

Ample fuel storage.

Quick acting dampers.

Plenty of ash pit and a liberal ash pan.

Extra fine Silver-Nickeled Castings.

Massive ornate ornamentation.

Throws off lots of heat.

# Abram Cox Stove Co.

PHILADELPHIA, PA.

## CHAS. A. RUSCO,

Manager Chicago Branch, 15, 17, 19 West Lake St.

ESTABLISHED 1847.

Branches: Boston, Buffalo. Foundries: Lansdale, Philadelphia.

# White's Stoves and Ranges ARE LEADERS

## White's Superb

For Coal or Wood.

Single Firepot, Inside Ring to protect Drum. Oscillating Hot Blast Tube, Ash Pan, Nickeled Steel Top Ring, Urn, Urn Bottom, Name Plate, Foot Rails and Screw Draft Dampers.

White's Superb, Nos. 14-16-18-20-22.

## White's Hot Blast

For Coal.

Mounted with Wood's Planished Steel. Nickeled Steel Top Ring, Urn, Urn Bottom, Foot Rails and Screw Draft Damper. Heavy Cast Top, Cast Base and Bottom, made in one piece; Oscillating Air Blast, Double Fire Pot, with Steel Lining in Upper Part of Drum, Drop Ash Pit Door, Cast Columns on Outside of Drum. Write for Catalogue.

White's Hot Blast, Nos. 16-18-20.

# Thomas White Stove Co.

QUINCY, ILL.

# The Steel Strike

cannot hurt us. We bought steel for our year's needs nine months ago, when steel was cheap and have it piled away in our warehouse.

No one in the country makes a larger or better line of **Cast Iron** and **Steel Goods** than we do and at popular prices. Write for **Catalogue** and **Prices.**

# Channon Emery Stove Co.

**QUINCY, ILLINOIS.**

# Moore's Quick Oven Stoves

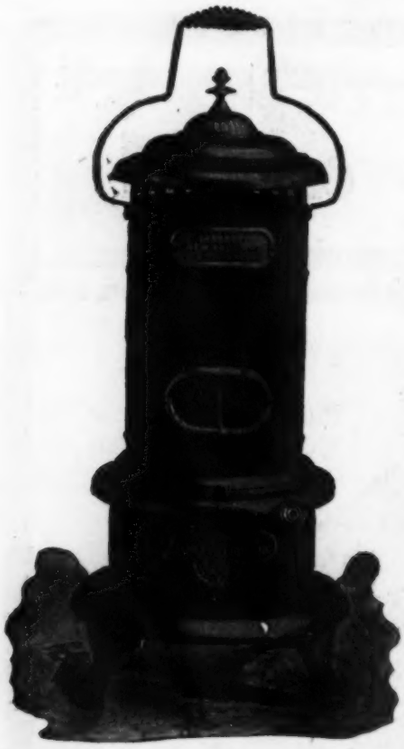
## A Straight Proposition.

**The Bottom of the Bottom** is more importa n for you to know about than the top of the bottom. The top of the bottom may be apparently all right, and yet the bottom of the bottom be all wrong and so lacking for proper braces that it will **HUMP ITSELF** on the least provocation.

**OUR BOTTOMS** are all straight. We are at the bottom of the Steel Cook Stove business—made the first one, and have made more of them than all our imitators put together. We make them right, that's why—make the comparison yourself, and you will find that the bottoms in Moore's Steel Stoves are straight.

## Joliet Stove Works, Joliet, Illinois.

HOLBROOK, MERRILL & STETSON, San Francisco, Sacramento, Los Angeles.



For Beauty, Simplicity, Convenience and Heating Power, The **Improved "New Process,"** and **"Improved" Standard**

**OIL HEATERS**

excel all others.

You must order early if you expect to get heaters this year. Our jobbers have them. Booklet ready.

# The Standard Lighting Co.

CLEVELAND, OHIO.

# Forest Cinderella.

## For Wood.

Contains many special features.

## Here Are A Few of Them:

Heavy cast iron linings 16 inches high. Pipe Collar interchangeable with top and end. Sweat Damper to prevent creosote deposits. Screw draft register insures perfect control of the fire. Write for full description and prices if you are interested.

STOVES AND RANGES CINDERELLA NEVER FAIL

**Pittsburgh Stove & Range Co.,**

**Pittsburgh, Pa.**

WESTERN SALES AGENT W. D. Sager, 38 to 40 Michigan St., Chicago, Ill.

STOVES AND RANGES CINDERELLA NEVER FAIL

# The AMERICAN M & D Steel Range

**BEST ON EARTH**

**Highly ornamented. The heaviest, strongest and best working range on the market.**

Reservoirs **portable, white enameled inside and out or encased,** as desired. **Large poke door** with or without **Feed Pouch. Duplex, Dockash or wood grates, all slide out.** Heavy cast iron back flue. Poised oven doors. Four sizes, 16-, 18-, 20-, 22-inch ovens. We make all sizes Family, Hotel and Combination Steel Ranges.

**M & D RANGE CO., 96-98-100 LAKE STREET, CHICAGO.**

# Our Steel Ranges and Stoves

Are made under our personal supervision. The management attends to each detail in its several branches.

We employ in the making of our goods the

**Best Material**
**Best Mechanics**
**Best Supervision**

**That money can procure.**

## Detroit Steel Range Co.

**Factory and Show Room:**

**13-45 Widman Place,**
**DETROIT, MICH.**

# Model Steel Range

## For Hard Coal, Soft Coal or Wood

They are **Models** of all the good things, useful and beautiful, that can be embodied in a modern range. Their popularity, on account of their many good points, have lead many imitators to copy them as near as they dare, but as the oven doors, dampers, fire-box and other features are covered by patents, the imitations are still behind in the race, so far as construction and operation are concerned, and we feel confident that a comparison will result in a most favorable impression as to our claim that they are **Models of Beauty** and just the one range above all others that it will pay the dealer to handle. The large and constantly growing trade we enjoy on the **Model Steel Range** has been built up purely on its merits and not through a lot of extravagant "fake" advertising.

**Write for prices and discounts.**

**The Portsmouth Stove & Range Co., Portsmouth, O.**

**Morley Bros., Saginaw, Michigan,** Agents for Northwest.

THE BUSIEST MAKERS OF STOVES & RANGES IN THE WORLD

# "Norman" Steel Range

## BUILT LIKE A WATCH

**ATTRACTIVE.**

**ECONOMICAL.**

**DURABLE.**

In the **"Norman"** Range are embodied up-to-date features that sell stoves.

**The Fire Box is Oval in Shape and of Goodly Dimensions.**

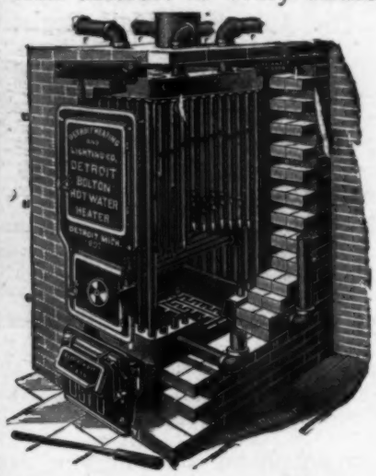
Either Duplex or Dockash Grates can be used. Grates removable through end door without removing any fire box linings.

**Send for Illustrated Catalogue descriptive of Our Full Line of Steel and Cast Ranges and Heaters.**

**Calusha Stove Co., Makers, Rochester, N. Y.**

# Heat and Light.

Two of the most important factors to home comfort. Two essentials that are of vital interest to every householder.




## The Bolton Hot Water Heater

Keeps the home at an even comfortable temperature at all times at small expense.

## The Combination Gas Machine and Mixing Regulator

Gives a light stronger than electricity and cheaper than kerosene oil.

The dealer can greatly add to his profits by interesting prospective customers. Can't we send you our catalogues and show you how we can be of service to both you and your trade?

## Detroit Heating & Lighting Co.

DETROIT, MICH.

# Dauntless Ranges.

Made of Malleable Iron and Steel.

Many dealers while recognizing the advantage of Malleable Iron used in connection with Steel for high-grade Range construction have refused to handle them on account of the rough appearance of wha was offered.

**Dauntless Ranges** will satisfy the most exacting. All Sizes; Any Equipment; Planished Bodies; Polished Tops.

Write at once for prices.

## Dauntless Mfg. Co., BEAVER DAM, WIS.

## The Everlasting Chimney Cap

is the best in the world. The trade in all sections are handling it. Why don't you?

It is a money maker.

**The Schreiber & Conchar Mfg. Co.** DUBUQUE, IA.

**F. W. CARLEY,**
**Hancock, Wis.,**
**Writes:**

"I received your paper this morning also more letters than I have got time to answer. I will ask you now to please take out my ad, as I have a position now, as tinsmith. I am well pleased with the paper, and am very thankful for the information I have received from it. Every tinner should take it. A man could not afford to be without it for the small price it costs."

# A Wide Awake Man

**Knows a GOOD THING when he sees it. That's the reason why we ask you to look at these cuts.**

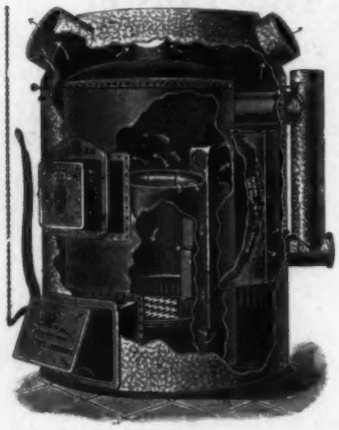
**The Wireton Time Regulator.**

Turns on the draft while you sleep.

**A Marvelous Seller.**

**The Cuts look all right now don't they?** Well the goods are all right. Great levers for pushing business your way.

**The Quaker Furnace.**



10,000 Sq. In. of prime heating surface. 15 ft. of smoke travel inside of the jacket. Can't help being the great fuel saver it is.

**The Auer Side Wall Register.**

**No Cut Carpets.**

A comfort as well as an ornament. No dirt, no dust, easily cleaned.

A postal will put you next to our prices and terms, which are also all right.

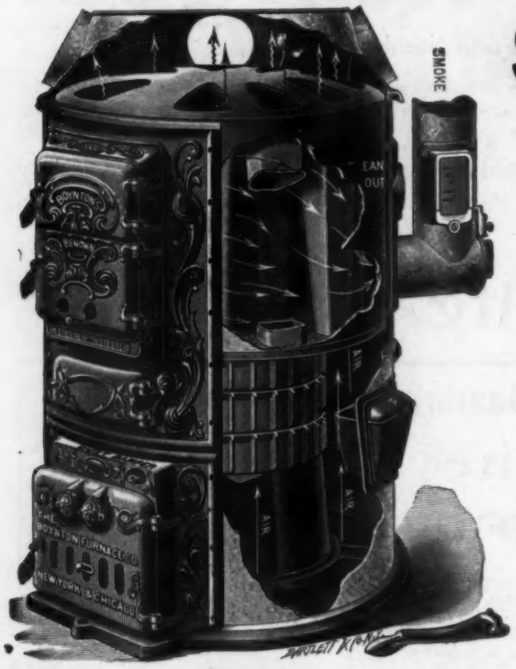
## WIRETON HEATING CO., MAIN OFFICE AND WORKS Blue Island, Ill.

**CHICAGO OFFICE, 40 DEARBORN ST.**

---

The making of heating apparatus—

# Hot Water Heaters, Steam Heaters and Furnaces,




is our Specialty. In over fifty years of experience we have met with about every phase of the heating problem. The manufacture of economical and durable heating apparatus has been our constant aim, and our success has been fully demonstrated by our long continuance in this line.

REMEMBER, efficiency and durability are the sure tests of cheapness.

Catalogues, Price Lists and Discounts cheerfully furnished the trade.

## The Boynton Furnace Co.,

**New York and Chicago.**

LONG DISTANCE TELEPHONE, BLUE ISLAND 38.

Blue Island, Ill., Sept. 4, 1901. 1901

The American Artisan,

Chicago.

Gentlemen:-

We herewith enclose copy for one half page advertisement. We are encouraged to increase our space with you because of the remarkably good results we are receiving from our ads in the American Artisan.

We are receiving three times as many enquiries from your journal as we are from any other trade paper. Our recent advertisement with you of our Wireton Time Regulator brought us letters and orders from all portions of the country.

Our Mr. Geo. D. Hoffman states that when he published "Hoffman's Compendium of Furnace Work " he advertised in three of the leading trade papers, that this book was free for the asking. From The American Artisan he received over 700 inquiries, from the next paper less than 300 and from the other only 8.

Wishing you continued success, we remain,

Yours very truly,

Wireton Heating Co
per E. L. Heald
Sec'y & Mng'r.

# "MUELLER"

## FURNACES AND BOILERS

MEAN

## COMFORT AND ECONOMY

WHY NOT TAKE THE AGENCY OF THE

## BEST AND LARGEST LINE?

WRITE FOR OUR 1901 CATALOGUE AND PRICES.

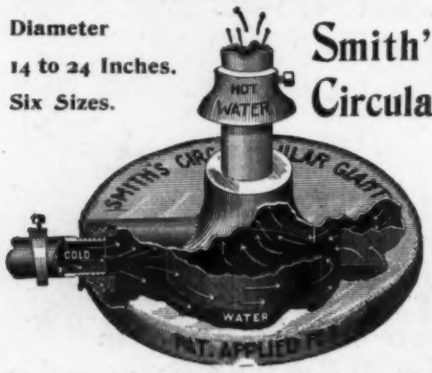
GET OUR

## SPECIAL OFFER ON REGISTERS

ESTABLISHED 1857.

## L. J. Mueller Furnace Co., 191 Reed St., Milwaukee, Wis.

Diameter
14 to 24 Inches.
Six Sizes.




## Smith's Circular OR Little Giant Water Heater

Is used in thousands of furnaces to heat cold rooms. If one of your customers tries to heat a house with a furnace about half big enough why don't you end his misery and make money besides by selling him one of Smith's Water Heaters. Write for circular and prices.

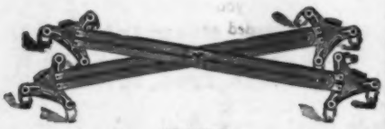
## THE CHAS. SMITH CO.,

122 Lake Street, CHICAGO.

## The "Eclipse" Adjustable Stove Truck

Made entirely of Steel and Malleable Iron.

OPEN.



CLOSED.

It is light, neat, and at the same time strong and durable. Will last a lifetime and saves its cost annually in preventing breakages, as it is impossible to tip or shove a stove from the ECLIPSE TRUCK.

**Stellwagen & Kynoch, St. Ignace, Mich.**

## The American Artisan Manuals.

House Warming Manual,
Furnace Work Manual,
Cornice Work Manual,
Workshop Manual,
Hot Water Manual,
Manual of Receipts.

Each an authority in its own particular field.

PRICE, $3.50 PER COPY. ADDRESS,

**Daniel Stern, 69 Dearborn St., Chicago.**

## Modern Sanitary Plumbing, Steam and Hot Water Heating.

A veritable encyclopedia of practical plumbing, written by James J. Lawler, the well known heating and plumbing expert; 400 pages large octavo, 6x9 inches in size. Describes and illustrates methods of plumbing as constructed at the present date. Tells how to correctly figure on any size or shape of building with steam or hot water. Tells how to find the heating capacity of any shape or make of boiler for steam or hot water heating. The illustrations are numerous. An invaluable work for practical men.....

Price $5.00.

Sent postpaid on receipt of price by

**Daniel Stern,**

69 Dearborn St., Chicago.

L. S. BONBRAKE,
PERU, IND., Writes:

"Your journal is certainly a valuable trade medium. I have used it for advertising goods, for securing workmen and for the purpose of getting a position for myself, and in every instance the result has been surprising.

"Through the late notice given me by it, asking for work, I have received seventeen answers from Ohio, Indiana, Illinois, Iowa, Wisconsin, Nebraska, Dakota, and any one of them presumably would be a good place to go, as they are highly rated in Dun's Report. Please take out my notice. Thanks to THE AMERICAN ARTISAN, I had a place from the first notice."

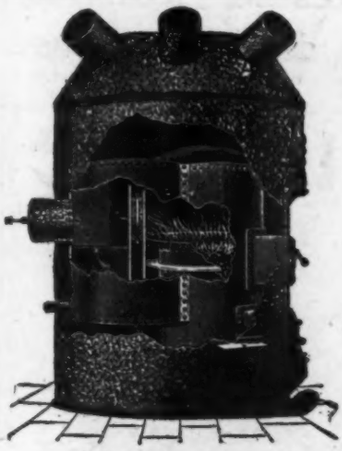
**CATALOGUE SHOWING**

Gas Ranges — Cast Cooks
Steel Ranges — Cast and
Cast Ranges — Steel Heaters
Steel Cooks — Hot Plates

WILL BE FURNISHED FOR THE ASKING BY

# Enterprise Stove Co.

**VINCENNES, IND.**



Weir Furnace.

# Weir ALL STEEL GAS AND SOOT CONSUMING Furnace.

**The Heaviest Steel Furnace Made.**

Absolutely gas and dust tight.
A great heat producer, but a fuel saver.

**MADE IN TWELVE SIZES.**

## "The Handy Furnace Pipe"

The saving of labor in putting it up really makes it the cheapest hot air pipe on the market.

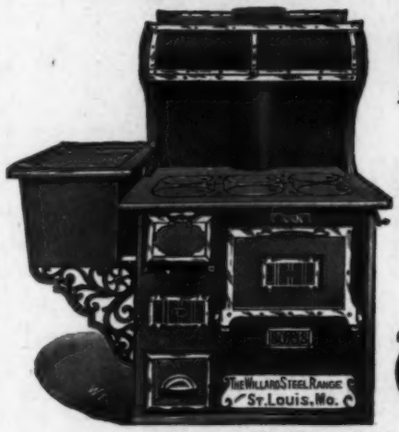
Is Absolu e Safe.

Handy Pipe.

**Manufactured by**

# Meyer Furnace Co.

**Send for Catalogue.** **PEORIA, ILL.**




# Weigh

the fire box in any steel range on the market. Then weigh that in the

## Willard Steel Range

and you will find it is far heavier. This places the weight where it is most needed and makes this range very durable. Every dealer should write and secure the agency for this popular range.

# Wm. G. Willard, Manufacturer,

619-621 N. Fourth St. • • • • St. Louis, Mo.

# A Revival of Business

is certain to follow the introduction of **Colebrook's Asbestos Furnace Cement and Stove Putty** in the manufacture of your stoves and furnaces. We do manufacture Asbestos Furnace Cement and Stove Putty for a great many particular people, why not for you as well? Colebrook's Asbestos Furnace Cement and Stove Putty has no equal. Can we not furnish your next order? Put up in all size removable cover cans, tubs, barrels and half-barrels.

**Manufactured only by**

# W. H. COLEBROOK. SONS & CO.

**SYRACUSE, N. Y., U. S. A.**

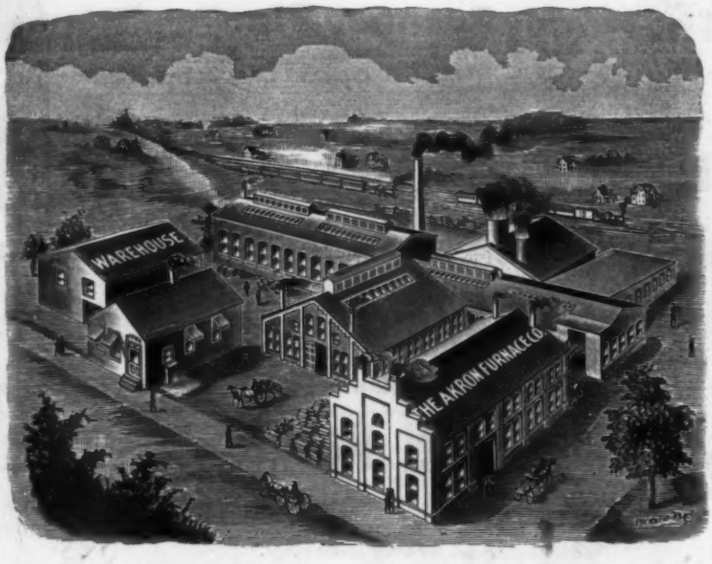
**CHAS. SMITH CO., Western Selling Agents, 122 Lake St., Chicago, Ill.**

**Largest Makers of Asbestos Furnace Cement in the World.**

# 5000

That's the capacity of our plant in furnaces for 1901. It shows that there is a steadily growing demand for the

# Akron Air Blast Furnace



This furnace has been completely remodeled and improved for 1901. It has a new ash pit and grate. The grate shakes with an upright lever. There is a new fire pot and a large feed door. The 1901 easy shaking grate can be taken out through the ash pit door without removal of a bolt or nut.

☞Send us your plans, we can save you money.

# MAY & FIEBEGER,

**Manufacturers.**

**OFFICES:--112-114-116 N. Howard Street, AKRON, OHIO.**

**WORKS:—Washington St., from Ledge to Hopp St., Penn., Erie and B. & O. R. R.'s.**

# JEWEL STOVES AND RANGES..

JEWEL STOVES AND RANGES
LARGEST STOVE PLANT IN THE WORLD

**A Complete, Well Advertised Line;**
**Low Prices and Good Workmanship.**

*Please Write for Catalogue.*

**DETROIT STOVE WORKS.**

*Detroit - Chicago.*

---

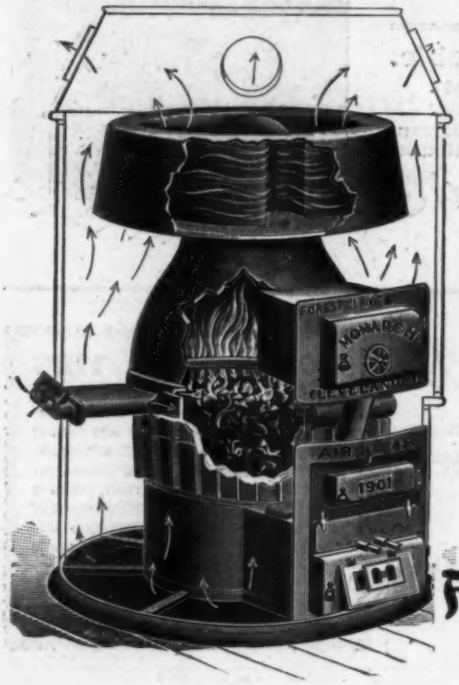
# Gilt Edge Warm Air
AND
# Combination Heaters

are leaders embodying points of furnace excellence possessed by no other furnaces. A large variety of sizes and styles, each especially adapted for a certain class of fuel. We are manufacturers of a complete line of warm air registers, safety pipe and tin galvanized iron furnace fittings.

**R. J. Schwab & Sons Co.,**

MILWAUKEE, WIS.

---




# Not One Returned.

For four years **Monarch Furnaces** have been shipped to the trade on the condition that if they were not perfectly satisfactory they would be taken back free of expense. During this time several hundred furnaces have been shipped to many different states for all kinds of fuel and not one has been returned.

**Forest City Foundry & Mfg. Co.**

Cleveland, Ohio.

# Ohio and U. S.
Wrought Steel **Ranges**

We are pioneers in steel range business; old in experience yet adopt modern up-to-date methods. Write for our catalog.

**Tinnerman Steel Range Co.,**

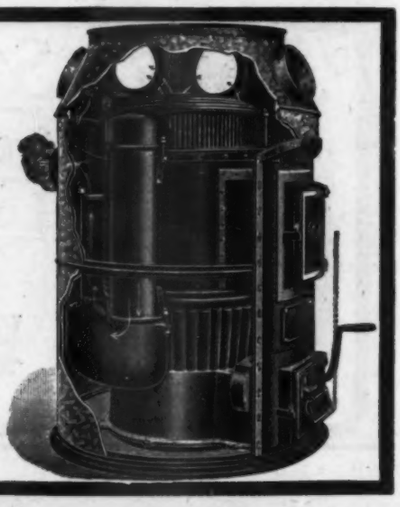
CLEVELAND, O.

# Why

waste time and make enemies by trying to convince a man that he wants a style of furnace which he knows he doesn't want but which happens to be the kind you have an agency for when by securing an agency for Floral City warm air and combination heaters you have the best and most complete line of furnaces made by any one concern?

**Monroe Foundry & Furnace Co.,**

Monroe, Mich.



# BRAND STOVE CO.

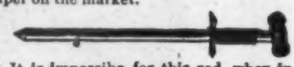
We make largest line of cooking and heating apparatus, cast cooks, cast ranges, steel cooks, steel ranges, hotel outfits, heating stoves, furnaces, hot water and steam heaters. Send for catalogs.

MILWAUKEE, WIS.

## The YANKEE Hot Air DAMPER (Improved) All Steel.

**Above All, Cheapness**—a dealer cannot possibly make dampers as cheaply as we sell the Yankee. Easily put in and taken out of pipes. Stiffest, quickest working and neatest damper on the market.

**ROD POINTS:** Has wood enameled handle. Wood handle cannot come off. Washer and spring cannot fall off the rod. Same size of holes are punched on each side of pipe. Rod is made of ¼-inch cold-rolled steel and slips into damper very smoothly. **Sample sent to any dealer without charge.**



It is impossibe for this rod, when in position, to move either way.

**The S. M. HOWES CO.,** Manufacturers, 40-46 Union St., **Boston, Mass.**

NEW YORK: A. L. Canfield, 248-256 Pearl St. CHICAGO: Excelsior Steel Furnace Co.

Sizes: 6, 7, 8, 8½, 9, 10, 10½, 11, 12, 12½, 14, and 15.

# Emperor Furnaces

**For Wood**

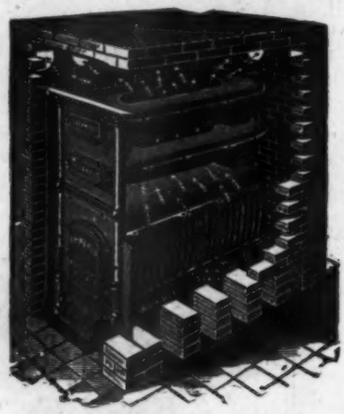
**Simple. Safe. Durable.**

**The Best and Cheapest Line of Wood Furnaces.**

**Furnished for Either Brick or Galvanized Iron Casing. Send for Catalogue.**

*Bergstrom Bros. Co.*

**Neenah, Wis.**



# Wisconsin Furnaces

stand for the best in furnace construction. They have features which make them trade winners.

Get our prices and printed matter.

**Phipps Furnace Co.,**

135 ONEIDA ST., MILWAUKEE, WIS.

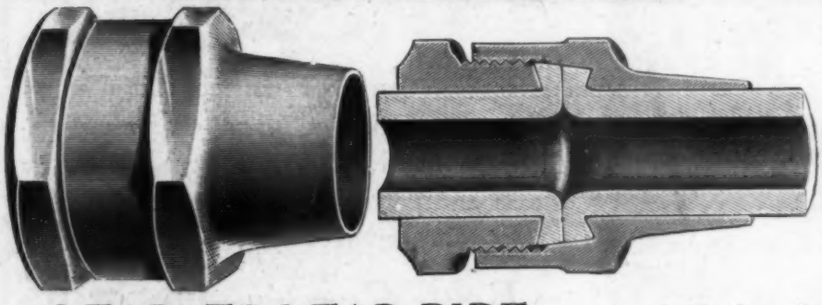
**DON'T READ THIS**

Unless you are interested in down-to-the-minute advertising. Have had over 15 years' practical advertising experience with some of Chicago's most successful Manufacturers, Jobbers and Retailers. Am at present engaged with a very large advertiser, but have time to spare and will do a limited amount of work for any one who desires first-class ADVERTISING SERVICE at very reasonable rates. Write for further Particulars.

FRANK. E. RUBOVITS,

233 Fifth Avenue, - - Chicago, Ill.

Patented May 28th, 1901. See Advertisement in Next Issue.



# Novelty Couplings

Lead to Lead and Lead to Iron or Copper.

LEAD TO LEAD PIPE. A Perfect Substitute for Wiped Joints.

**Water Back, Faucet, Boiler Couplings, Etc.**

SEND FOR COMPLETE CATALOGUE

**The New Haven Novelty Machine Co., New Haven, Conn., U.S.A.**

No. 233.

# Draft Register Screw

MANUFACTURED BY

**The Fanner Manufacturing Co.**

**CLEVELAND, OHIO.**

Established 1874.

The largest and most reliable **Foundry Supply House** in the world.

THE

**S. Obermayer Co.,**

CINCINNATI, OHIO.
CHICAGO, ILL.
manufacturers

"Everything You Need in Your Foundry."

Importers and refiners

PLUMBAGO GRAPHITE.

Catalog Sent on Application.

## The Key to Success

Lies in original advertising. Other dealers are using our

**Advertising Cuts for Hardware Men.**

WHY NOT YOU?

*They are the cheapest on the market.*
*They are specially adapted for hardware stores.*
*They are unique and original.*

SEND FOR LARGE 4 PAGE CIRCULAR.

**Daniel Stern,** 69 Dearborn St., Chicago.

T. H. MASON & CO.
CHARLOTTE, N. C.

WRITE:

"Please take out our ad. "Lathe Wanted". We have bought one. We are much pleased with the result of the ad. and must say we are more than pleased with The American Artisan, which we look forward to every week with pleasure."

## To the Trade:

We beg to announce that arrangements have been perfected whereby the **Chicago Heater & Supply Co.**, 54 Dearborn St., Chicago, will be Western Managers for our entire line of "**Superior**" Furnaces, "**Utica**" Heaters, "**Imperial**" steam and hot water sectional and round boilers, and "**Auburn**" steam and hot water round boilers.

Complete catalogues upon application.

**Utica Heater Company, Utica, N. Y.**

**Chicago Heater & Supply Co.** 54 Dearborn St., Chicago.

Showing Double on Second Floor.

# The Auer Side Wall Register

**TAKES LESS PIPE, WALL STACKS and FITTINGS.**

Includes Register Box, hence is cheaper than common registers.
No Mutilation of Carpets.
No Discoloration of ceilings.
Affords Perfect Ventilation.
Made in Nine Sizes.
Send for Circulars.

## Auer Register Co.,

**TOLEDO, O.**

WIRETON HEATING CO., Chicago, Agents for Illinois.
PHILLIP GROSS HARDWARE CO., Milwaukee, Agents for Wisconsin.

For First or Second Floor

# Royal Heaters.

MANUFACTURED BY THE

## HART & CROUSE CO.

UTICA, N.Y.

ALL THE LEADING LINES OF

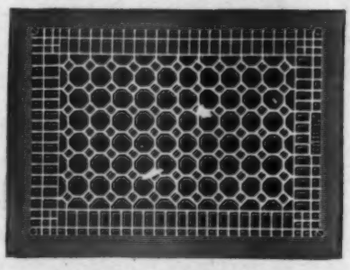
## STEAM, HOT WATER & HOT AIR,

FOR HEATING ALL CLASSES OF BUILDING.

235 WATER ST. N.Y. BRANCHES. 79 LAKE ST. CHICAGO.
COLUMBUS, O. ST. LOUIS.

## Henry & Scheible Co.

SUCCESSORS TO T. E. HENRY.
10 Long St. CLEVELAND, O.



ALL SIZES—ALL STYLES OF FINISH. PROMPT SHIPMENTS

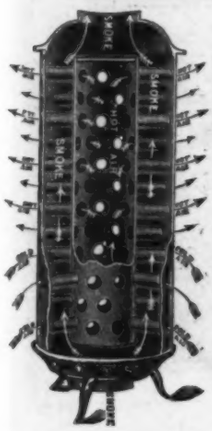
Quality and finish unexcelled.

SEND FOR CATALOGUE.

"Nothing except the mint can make money without advertising."—Gladstone.

James Armstrong & Son, Dyersville, Ia., write:

"Please drop our 'Wanted Ad.' from your paper, as we are now supplied. We have had numerous replies, and know that your paper is read."



# COUNT THE TUBES

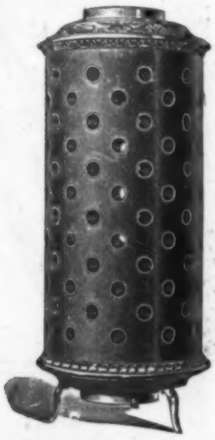
IN THE

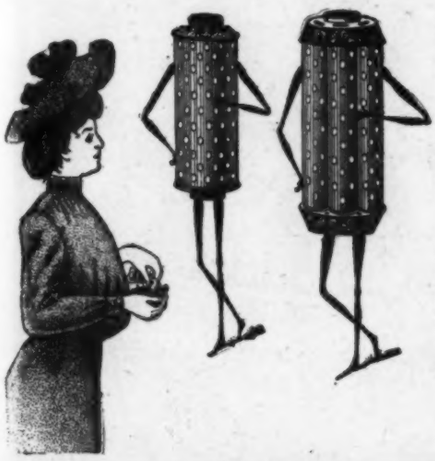
# Rochester Radiator

and you will comprehend the great radiating surface directly over the hot current where one square inch is better than six at the side.

## Rochester Radiator Co.,

**120 Furnace St., Rochester, N. Y.**





# Sell Themselves.

There's no trouble or great salesmanship required to sell

# New Era Radiators

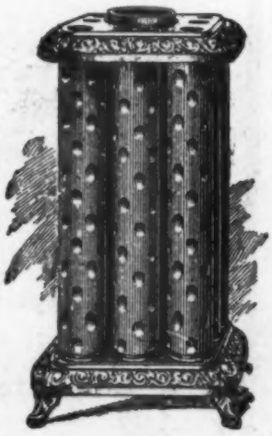
They sell themselves. Every house owner will want one on sight. And then every one who sees it in use will want one too.

Every one sold will be an advertisement of your store—an ad. that will bring money instead of costing money.

Send for prices.

## Wilmot Castle & Co.,

**77 Elm St., Rochester, N. Y.**



# Books by Mail

The Publisher of the American Artisan will take pleasure in supplying Books of whatever character, at catalogue prices, prepaid by mail, to any address, on receipt of price. The following are lines specially represented:

Sheet Metal Working. The Foundry. The Workshop. Heating and Ventilating. Plumbing and Drainage. Bicycle Repairing. The Store and Office.

## Daniel Stern,

**Publisher and Bookseller,**

**69 Dearborn St. CHICAGO.**

# Registers and Ventilators.

**A Full Line, Unique Designs**

Quality and finish unexcelled. All styles of finish, from Japanned to Gold Plated.

**Send for Catalogue.**

**The Philadelphia Hardware and Malleable Iron Works**

**Philadelphia, Pa.**

Huff & Mueller, Webster City, Ia., write: "Will you please discontinue our advertisement in the Want column. We have secured the man we wanted. Thanking you for this space and your trouble; we are more than ever convinced it pays to advertise."

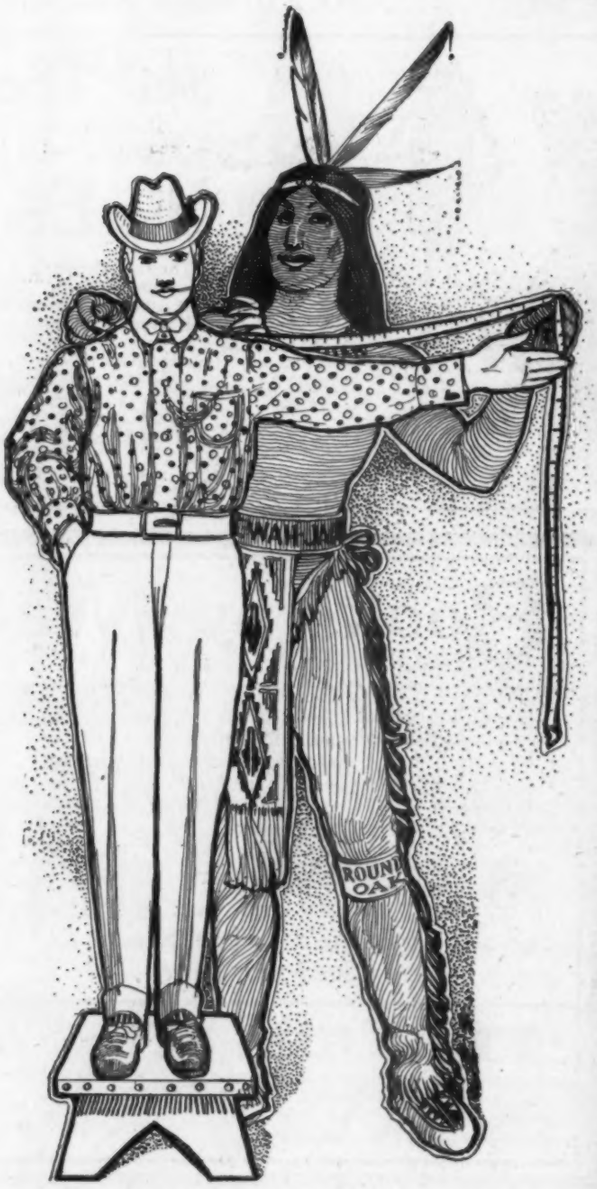
# ROUND OAK
## Standard of America

**A Furnace should be fitted**

to the house
in which it is
to be installed

**just the same as a suit of clothes**

to the man who
is to wear it.
The cheaper the
suit—but you know
the sequel.
It's the same thing.




**Estate of**
**P. D. Beckwith, Dowagiac, Mich.**

MAKERS OF GOOD GOODS ONLY.

38

HB Chicago

CURTIS CANDY CHICAGO 1901

ESTABLISHED 1880

THE AMERICAN ARTISAN & HARDWARE RECORD

Representative of the Stove, Tin, Hardware, Heating and Ventilating Interests.

PUBLISHED EVERY SATURDAY.

Terms of Subscription in the United States, their Possessions, and Canada, (invariably in advance): One Year, Postage Paid, $2.00.
In Foreign Countries, Except Canada, One Year, Postage Paid, $4.00.

*Address all Letters, communications and remittances to*

DANIEL STERN, President American Artisan Press,
69 DEARBORN STREET, CHICAGO, ILL.

Entered at the Chicago Post Office as Second Class Matter.

This Paper is a Member of the Chicago Trade Press Association.

CHICAGO, SEPT. 7 1901.

A WRITER in the London Daily Telegraph, referring to the world's mineral resources, points out that the world generally is awakening to the fact that its resources of raw material are not inexhaustible. The writer favors the theory, viz., that the command of foreign markets will rest with the country which by technical metallurgic skill can most profitably deal with low-grade ores.

THE recent government crop report, dated Aug. 1, is entirely misleading, because in the days intervening between the date of the report and its issue the conditions have so changed that the prospects are much better for a large crop. Districts that reported a total failure now report from 30 to 40 per cent of a crop. This is encouraging, not only for the growers, but for those who must buy corn.

COL. WHOLLEY, a young army officer, who has lately returned from the Philippines, says: "The country is rich and has many natural resources. Copper and gold have been found, and I have no doubt that when the American prospector gets into the mountains the country will prove resourceful as a mining place for American people. The American will, of course, have to develop all these resources. The climate is suited for Americans. It is reasonably healthy and white men can live there well, although it is no place for a white laborer."

TRADE relations between the United States and Spain have resumed the conditions existing prior to the war between the two countries. The exports from the United States to Spain in the fiscal year just ended were larger than in any preceding year, with a single exception, 1883, and show an increase of $6,000,000 over 1899; while our imports from Spain also show a marked increase over 1899. In the seven months ending with July, 1901, our imports from Spain were $3,110,718, against $2,875,840 in the corresponding period of the preceding year, while during the same period our exports to Spain increased from $8,189,288 to $8,988,970. For the single month of July, our imports increased from $270,216 to $634,665, and our exports to Spain increased from $640,689 to $1,156,490.

WE read frequently in the sensational press of a European concert against the Yankee peril, and talk of international hostilities between the old world and the new. It is idle to deny that there is a keen commercial jealousy of the United States among European producers, but one great fact should be considered whenever an international embroglio is discussed, and that is that Europeans have been coming here by thousands for two generations. In this country neighbors and friends of Germans, Frenchmen, Italians, Russians, Huns and Greeks have found a prosperity which they could not have attained at home. The people who have come over have become, for the most part, good Americans, and there is hardly a town or political division of the chief European countries which is not prominently and prosperously represented here. There is not a European country whose people would not be fighting their own kith and kin in a war with the United States, and particularly is this true of Germany, whose navy we are often told is being equipped for a battle royal with ours. America has been the land of promise to two generations of tax ridden Europe, because we had no conscription here and because, until recent years, we have land and to spare as an outlet for overcrowding and competition in towns. In those circumstances we should have to overturn human nature to establish widespread dislike and distrust of us, just because the Europeans who have come here now begin to come into close competition with those who have stayed at home. The close personal ties between the people in so many fatherlands and their descendants here are ample evidence that a European concert against us is impossible because the European nations have greater distrust and jealousy of each other than any one of them has of the United States.

## RANDOM SKETCHES.

BY SIDNEY ARNOLD.

I AM glad to see that the insurance company which tried to dodge all but nominal payments on a number of burned paintings has been brought to book. This company set up the specious plea that it insured only for the actual cost of the pictures, which was merely the cost of the canvas, stretchers and paint. The decision in this case, which places a value on human skill, is one that will benefit every expert artisan and artist. Products of human minds and human hands obtain their value from the simple fact that human thought and human skill and valued time have entered into their construction. The material is for anybody's buying or having. A dime will buy a lump of clay, but it is the potter or the sculptor who gives consequence to it by the knowledge and the taste and the dexterity with which he shapes it. A sheet metal worker who takes a piece of tin and, by the application of human skill, fash-

ions it into a bathtub or a ship's ventilator, produces an article that is worth far more than the mere tin it is made of. For that matter, if the ventilator were taken apart the irregular shaped pieces of material would be of less value than they were originally. When one considers this subject broadly one is amazed to think the insurance company would take such utterly untenable ground.

* * *

Innovations, however desirable, take time. It is nearly two years ago, or to be precise, on October 11, 1899, that F. S. Kretsinger, president of the Iowa Farming Tool Co., Ft. Madison, Ia., wrote to THE AMERICAN ARTISAN as follows:

"Did it ever occur to you that there is abundant room in the great city of Chicago for a hardware club, looking for membership largely to hardware, tinware, stoves, iron, steel, etc.—jobbers and manufacturers of Chicago and out of the city as well? New York City's hardware club is a successful one, has very attractive quarters, and judging from observation there I think it is profitable to the members. I believe that if rightly taken hold of a club could be organized that would be a credit to the city and its members as well as a profit to them."

In commenting on this letter I delivered myself in the following strain in THE AMERICAN ARTISAN, of Oct. 14, 1899: "Mr. Kretsinger lays the knife on the nerve of the matter. There can be but little doubt that a Chicago hardware club would prove a marked success. Local hardwaredom is composed of decidedly "clubbish" material. The bon camaradie, suavity and companionable qualities of our hardware men affords practical insurance of the success of such a club from the start.

"Every day Chicago is visited by a number of manufacturers and jobbers in iron, hardware, and other metals, and a hardware club would prove a veritable boon to these and would afford the local trade a chance to dispense that gracious hospitality for which the city is noted.

"There are places where the competitive struggle has unfortunately developed so keen a feeling of personal enmity that social intercourse is hard to bring about, but happily such is not the case in this busy city where jobbers and manufacturers on the occasions they do meet are most friendly.

"The expense of such a club in consideration of the privileges it would give and the many pleasant hours it would afford its membership, would be very small. In all clubs, as everybody knows, co-operation enables the members to enjoy pleasures and dispense hospitality to their friends out of all proportion to the individual cost of membership."

Two weeks later in THE AMERICAN ARTISAN of Oct. 28, 1899, I wrote the following article on this subject: "I have quite a bit of comment on the suggestion made by Mr. Kretsinger, of The Iowa Farming Tool Co., to the effect that Chicago should have a hardware club. A manufacturer's agent, in discussing the matter with me said: 'It certainly is a good idea and I wonder why the matter has not been brought up before. I am sure a hardware club would have been a boon the past year with its kaleidoscopic changes in prices and if the right people would start such an organization I do not doubt that it would prove an unqualified success.'

"A prominent member of a local jobbing house said: 'I am not surprised that a guest of the handsome New York Hardware Club should miss the existence of a similar organization in Chicago, but there is a reason why there is no such club in Chicago and that lies in the difference between club life in New York and Chicago. While New York undoubtedly has more and finer clubs than Chicago, they are mostly what are styled "up town" clubs, very few being located in the heart of the city. On the other hand, the down town district in Chicago is honeycombed with clubs. There's the Chicago Athletic, University, Union League, Chicago Press, 12:30, 1 o'clock, Griddle, Hamilton, Union Literary, Chess, Whist, Music, Engineers, Elks, Iroquois, and I don't know how many other clubs, each of which counts among its members a little knot of two or three hardware men. So you see most of the clubable members among the wholesale hardware trade at present enjoy the privileges of a down town club. In New York the hardware men have their uptown clubs and they have the Hardware Club as their own town club, but it's different here.'

I must confess that to my private way of thinking this gentleman takes a mistaken view of the subject, confounding a result with a cause. There are, I admit, sprinklings of hardware and iron men leavening club life in almost all the leading Chicago organizations; but they are there not because they prefer such clubs to a distinctly hardware club, but solely because there is no hardware club. They would gladly join a trade club, but are debarred through its non-existence. I am convinced that a general call for a meeting of those interested in the formation of a hardware club would result in a magnificent nucleus being formed around which a successful club would grow with great rapidity."

That this seed was not sown on stony ground is evident from the following letter sent to a friend of mine on the morning of Aug. 31, 1901.

"You are earnestly requested to attend a preliminary meeting of the Hardware and Manufacturers' Club to be held in the office of the Reading Hardware Co., 107 Lake St., Chicago, on Saturday 31st inst., at 2 o'clock. At this meeting officers will be elected and the necessary committee appointed. A hardware club in Chicago has for some time been deemed necessary and it is hoped the present movement will result in what the organizers anticipate, i. e., a hardware club with a healthy membership and one which every hardware man west of Pittsburg will feel it a privilege to join. Do not forget the date. Come and bring your friends with you to the meeting."

This meeting I understand was attended by a small sprinkling of local hardware men, whose views naturally followed the lines of the two interviews given above, as conditions relative to the formation of such a club as this are precisely the same now as then. If enough hardware jobbers, manufacturers' agents, etc., will take hold of this matter there can be no doubt as to the successful embodiment of Mr. Kretsinger's idea of two years ago.

# News Siftings.

The Prizer-Painter Stove & Heater Co., Reading, Pa., are erecting an addition which will cover an area 35x150 feet in dimensions and, when completed, will give employment to fifty additional men.

The S. Obermayer Co., Cincinnati and Chicago, send out a postal stating that they manufacture everything needed in the foundry and offer the trade good, first-class material, the promptest service, the most liberal terms and the lowest possible prices.

J. B. McLean, a dealer in stoves and hardware, took the first prize at the S. C., R., O. and B. Agricultural Society fair, held at Sandy Creek, N. Y., Aug. 27, 28, 29 and 30, on a fine exhibit he had of Andes stoves and ranges, made by the Phillips & Clark Stove Co., Geneva, N. Y.

The Reading Stove Works, Reading, Pa., and 153-159 S. Jefferson street, Chicago, send us a little circular calling attention to various of their trade publications, such as their "Ranges and Cooking Goods" edition of their catalogue, their "Portable Heating Goods" section and their furnace book, "Comfort in Cold Weather."

The Omaha Stove Repair Works, Omaha, Neb., send us an announcement to the effect that they have received their fall stock of burning out parts for nearly all stoves, ranges and furnaces made. Since this firm's 500 page catalogue went to press they have added repairs for over 1,000 new stoves and steel ranges, as well as over 500 furnaces.

The Fanner Mfg. Co., Cleveland, O., make a complete line of wrought iron and radiator chaplets, stove scrapers, stove rods, stove bolts, stove trimmings, etc. They also make a line of attractive advertising novelties, such as coal hod match boxes, trousers match boxes, scrapers and shoe cleaners, blacking stands, anti-wrinklers and umbrella stands.

The Charter Oak Stove & Range Co., St. Louis, Mo., send us a copy of a circular they are sending out to the trade, suggesting the advisability of an early placing of orders for stoves and ranges. They state that they have large orders with both the combination and the independent mills, and are fortunate enough to have a stock of steel on hand to meet the early demand.

Prompt shipments is a precious good hobby for a stove repair house to have, and it is one of the points that has lead to the success of the Union Stove Repair Co., 2854 Archer avenue, Chicago, manufacturers and jobbers of stove repairs and specialties. Their stove repairs are made from original patterns by the original stove manufacturers. They are guaranteed to fit. This firm send an original order book free with their first shipment.

The stockholders of the Pittsburg Stove & Range Co., Pittsburg, Pa., held their annual meeting Sept. 2. Chas. H. Bradley resigned as president and was succeeded by John D. Nicholson, of Geo. B. Hill & Co., Pittsburg, Pa., stock brokers. The following directors were elected: James F. Mackee, C. H. Bradley, A. M. Neeper, G. W. J. Bissell, W. S. Huntley, John S. Graham and John D. Nicholson. Lyman De Haven resigned as a director.

The Channon-Emery Stove Co., Quincy, Ill., are finding ample cause these days to justify their choice of "Never Fail" as a trade mark. In these days of the steel strike, when rumors of a steel famine fly around thick and fast, many stove firms are caught somewhat shy of material. This firm bought steel for their year's needs nine months ago, when steel was cheap, and piled it away in their warehouses. Consequently they are all right today as regards material, and are in good position to meet the wants of the trade.

The Champion Steel Range Co., 131-137 Viaduct, Cleveland, O., send us a circular calling attention to their latest production of "Champion" double flue hot blast steel ranges. The construction of these ranges is the same as their other line, except that it has a more elaborate design. It has pouch feed, cast flue back, large feed door, large swing ash pit door with screw draft, large ash pan, preventing ashes from falling to the floor, rolling door in warming closet, and draw-out duplex grate. The key plates are interchangeable and are properly supported, allowing free expansion and contraction.

The Schneider & Trenkamp Co., Cleveland, O., send us a little leaflet describing their Reliable steel ranges and combination coal and gas ranges. These ranges have a one-piece top, all flues and plates are thoroughly lined with the best quality of sheet asbestos, also two-inch air space and two thicknesses of asbestos underneath the bottom oven plate. There is a balance drop oven door on all ranges. Other features are corrugated, sectional ventilated fire box linings, cast iron flue at back of range, removable plates in front and back and lining and encased reservoirs of cast iron. One of these booklets will be forwarded the trade on application. When writing for same kindly add: "Saw it in THE AMERICAN ARTISAN."

The Pittsburgh Stove & Range Co., Pittsburgh, Pa., send us a circular giving a description of their Monarch Cinderella self-feeding, base burning, double heater for hard coal. The nickel enrichments on this stove are tastefully and symmetrically fashioned, producing a harmonious effect. The nickeled parts include the swing cover, magazine section, side wings, hearth plate, foot rails, base and legs, and beautifully designed scroll on the ash pit door. The ash pit is extra large and deep, and permits the use of a good sized ash pan. The grate is the Ransom Duplex. It is made extra heavy and is provided with an outside shaking ring. The fire pot is of good weight and is easily removed through the large front doors. The magazine can be readily removed. It is provided with double covers, preventing the escape of gas and protecting nickel on the swing cover. The products of combustion are divided and pass down two flues, one at each corner, which distributes the heat to the extreme corners of the stove. The hot air flues are especially large and effective. They are located between the descending and the ascending flues, and are heated by direct radiation from the side of both descending flues and both sides of the ascending flue.

## UNIVERSAL STOVES AND RANGES.

The Cribben & Sexton Co., Chicago, send us a strikingly handsome catalogue of their Universal stoves and ranges. The cover is in a decidedly pretty clay-modeled style, showing a universe enveloped in fleecy clouds and forming the resting place of a female angel bearing a torch. The place of honor in this volume is accorded the Warrant, Guarantee and Security Bond of this firm.

The Universal steel range, with broiler feed door, for hard coal and pouch feed for soft coal, has body made of heavy polished steel. The reservoir casing is cast iron. The outside black flue is made of cast iron and is attached with locked bolts so it can be removed at will and returned to place by the removal of the nuts on the outside. The bolts remain locked in position by double nuts while the back flue is off, and the middle nut is pocketed, making a close, tight joint at all times. The duplex grate is reversible for coal or wood without change. It is removable by simply swinging open the grate door and drawing out the complete grate and frame.

The Crown Universal steel range, for hard or soft coal, lignite, wood or natural gas, is new this year. It has aluminum finish on oven door frames, oven door handle, high shelf and high closet brackets. Also nickel oven door panel, high closet panel, oven door catch and hinge pin tips. The reservoir casing is cast and will not rust through. Other features are pouch feed for soft coal or lignite, duplex grate reversible for burning wood, sheet flue and heavy steel back flue.

The Regal Universal cast range, six holes with pouch feed, is square with T shelf and end shelf. It has a white porcelain lined oven door, shaking draw center grate, or duplex grate when ordered, and nickel oven shelf, door panel name plate, pot stands, top band, towel rod and hearth band.

The Crystal Universal cast range, with high shelf and end shelf, duplex or draw center grate and porcelain lined oven door, is also new for 1901.

The Splendid Universal base burner, new for 1901, has handsomely nickel plated reflector top, large base flues, large hot air flues and shaking and dumping duplex grate. The nickel parts include reflector dome top, name plate, swing cover, side rails, corner columns, leg base, turnbuckles, damper handles, knobs, etc.

The Universal Hot Blast is an entirely new production. The ash pit is square with large ash pan. A draw center shaking grate is used. The feed door is in front. The hot blast regulator is in the top and feeds hot air all over the top of the fire. The nickeled parts are the foot rails, draft registers, name plate, top band and turnkeys.

A handsome air tight is found in the New Trilby, new for 1901. It has flat draw center grate and ash pan, cast iron lining, front feed door and nickel swing top, top band, name plate, foot rail, draft registers, etc.

This firm have introduced a decided innovation in stove making with their Flame Universal, a box stove made of sheet steel, which possesses many unique points of advantage.

One of these catalogues will be forwarded the trade on application. When writing for same kindly add: "Saw it in THE AMERICAN ARTISAN."

## NEVER FAIL STOVES AND RANGES.

The Channon-Emery Stove Co., Quincy, Ill., send us their catalogue No. 29, showing their line of Never Fail stoves and ranges. The Never Fail steel range, for soft coal, hard coal or wood, is carefully made of the best material throughout. The body is made of Wood's planished steel. Other features are the cast pouch feed, swinging front door, dumper and hot blast, end feed for wood, exposed surfaces protected by plates of cast iron and of asbestos, flush top detachable reservoir, cast bottom flue strip, carefully balanced steel lined oven door, cast base strip on lower front and main top made in four sections. The nickel parts include steel top band, swinging towel rod, corner columns, drop feed door, grate door, swinging ash pit door, grate crank, nickel cleanout door, name plate, oven door frame, hinges, handle and panel, reservoir panel, tea-pot stands, plate and door handle on high closet, cast brackets and steel edge bands on high shelf and high closet.

The Family Never Fail steel ranges, for soft coal, hard coal, or wood, are an entirely new line of high grade steel ranges at a very low price.

The Kitchen Never Fail steel ranges, for wood, are an entirely new line of high grade steel ranges at a very low price. The Kitchen Never Fail steel cook has body made of high grade polished steel, asbestos lined. The nickel parts include swinging towel rod, corner columns, grate crank, oven door hinges, handle and panel, cam dampers, and tea-pot stand.

The Never Fail coal range is a new and superb range, with full sized square oven and duplex grate.

The Cheerful Oak, for coal or wood, is carefully mounted and closely fitted. It has large feed doors, broad ring fender, cam damper in ash pit door, check register in lower feed door and in back of cast top, and very low ash pit. The ash pit door is straight and flat. It mounts against a flat surface and fastens with a turn buckle, resulting in a tight-fitting door. The hole in the side of the base through which the grate handle passes is capped by a small door, thus rendering the ash pit air tight. The square base and large door admits an unusually large sheet-iron ash pan. There are two ribs on the inside of the bottom for the ash pan to ride upon. The nickeled parts are entire base and legs, cam damper, foot rails, large plates on upper and lower feed doors, top ring, swing top, knobs, and a very showy spun brass nickel urn.

One of these catalogues will be forwarded the trade on application. When writing for same kindly add: "Saw it in THE AMERICAN ARTISAN."

---

A recent canvass of western banks show that money has become so abundant in this section of the country as to compel banking institutions to seek new sources of outlet.

Eugene Munsell & Co., 117 Lake street, Chicago, and 218 Water street, New York, are large miners of mica, which they put up in assorted packages expressly for the retail trade. Either North Carolina or Wyoming mica is furnished in one pound, two pound or three pound packages, containing 4, 8 and 12 sizes respectively.

# The Hardware Record.

**Arkansas Retail Hardware Dealers' Association.**
Pres., John M. Pitman, Prescott.
1st Vice-Pres., J. F. Maxey, Ozark.
2d Vice-Pres., T. B. Stewart, Newport.
Secy-Treas., J. A. Plummer, Marianna.
Executive Com.: H. Williams, Hot Springs, J. H. Boicourt, Little Rock, J. W. Lee, Fordyce.

**Chicago Retail Hardware Dealers' Association.**
Pres., D. McLaughlin.
Vice-Pres., H. E. Gnadt.
Sec., G. R. Lott.
Collector, John Hora.
Treas., J. L. Smith.

**Hardware Merchants' and Manufacturers' Association of Philadelphia.**
Pres., Hugh McCaffrey.
Vice-Pres., Wm. C. Peters.
Sec.-Treas., T. James Fernley.
Directors, William W. Supplee, Samuel Disston, John H. Griffith, James H. Ritter, William C. Peters, Thomas Devlin, Fayette R. Plumb, Hugh McCaffrey and T. James Fernley.

**Illinois Retail Hardware Dealers' Association.**
Pres., H. G. Cormick, Centralia.
Vice-Pres., Wm. Bittel, Peoria.
Sec., G. R. Lott, Chicago.
Treas., F. F. Porter, Chicago.
Ex. Com., Z T. Miller, Bloomington; W. T. Gormley, Chicago; H. N. Murphy, Galesburg; C. Mauer, East St. Louis; C. Williams, Streator; L. Babst, Kankakee.

**Indiana Retail Hardware Dealers' Association.**
Pres., W. P. Lewis, New Albany.
Vice-Pres., Jas. L. Hutton, Portland.
Sec. and Treas., M. L. Corey, Argos.
Members Ex. Com., I. A. Sibley, South Bend; E. M. Bush, Evansville; W. H. Weed, Vincennes.

**Indian Territory Retail Hardware Association.**
Pres., Geo W. Mowbray, Tulsa.
1st Vice-Pres., J. G. Smith, Canadian
2d Vice-Pres., Fred Parkinson, Wagoner.
Sec., Dick Miller, Poteau.
Treas., Sam R. Frazee, Vinita.

**Iowa Retail Hardware Dealers' Association.**
Pres., W. A. McIntire, Ottumwa.
Vice-Pres., E. G. Penrose, Tama.
Ex. Com., A. C. Heyman, Miles; L. Lindenberg, Dubuque; F. S. Narum, Waukon; E. G. Penrose, Tama; W. A. McIntire, Ottumwa; L. H. Kurtz, Des Moines; H. A. Cole, Council Bluffs; Harry Vincent, Ft. Dodge, W. H. Miller, Cherokee; M. W. Keating, Afton; Jacob Seither, Keokuk.

**Kansas Hardware Dealers' Ass'n.**
Pres., Geo. F. Audersen, St. Marys.
Vice-Pres., Oscar Rohhr, Topeka.
Sec., J. A. Cole, Topeka.
Ex. Com., James H. Hamilton, Arkansas City; E. I. King, Logan; T. H. Kiniry, Beloit; J. M. Walters; Robinson; F. W. Bartlett, Kansas City.

**Kentucky Retail Hardware and Stove Dealers' Association.**
Pres., Geo. Dehler, Louisville
1st V.-P., J. S. Ogden, Ashland.
2nd V.-P., Chas. D. Winn, Paris.
Sec., Paul Wagner, Louisville.
Asst. Sec., Wm. Dehler, Louisville.
Treas., Henry Heick, Louisville.

**Michigan Hardware Association.**
Pres. H. C. Minnie Eaton Rapids.
Vice-Pres., Geo. W. Bruske, Saginaw.
Sec., Fred H. Cozzens, Detroit.
Treas., Henry C. Weber, Detroit.
Ex. Com., Samuel Winchester, Jackson; Fred S. Cook, Fowlerville; C. E. Pipp, Ostego A. Harshaw, Delray; A. J. Scott, Marion City; James J. Potter, Alpena; Jno. W. Jochin, Ishpeming; Robt. G. Chandler, Coldwater; John Popp, Saginaw, F. S. Carlton, Calumet.

**Minnesota Retail Hardware Association.**
Pres., W. H. Tomlinson, LeSueur.
Vice-Pres., H. S. Cleveland, Minneapolis.
Sec., T. McCracken, Minneapolis.
Treas., G. M. Evanson, St. Peter.
Ex. Com., F. H Hunt, Red Lake Falls; B. J. Kernkamp, St. Paul; Julius Schmidt, Wabasha; W. H. Tomlinson, LeSueur; A. C. Hatch, Battle Lake; Jos. Mason, St. Peter; Chas. F. Ladner, St. Cloud; S. R. Nelson, Owatonna; E. H. Loyhed, Faribault.

**Missouri Retail Stove and Hardware Dealers' Association.**
Pres., B. F. Naylor, Marshall.
V.-P., Geo. R. Plowman, St. Louis.
Sec., F. N. Neudorff St. Joseph.
Ex. Com., R. L. Hixon, Hannibal; F. A. Kannsteiner, St. Louis; J. W. Poland, Carrollton; W. A. Wingert, Kansas City.
Advisory Board, P. E. Harney Joplin; E. Stuelzing, Kansas City; J. M Kenyon, Maitland; W. T. Shoop, Richmond; G. A. Pauly, St. Louis.

**National Hardware Association.**
Pres., R. W. Shapleigh, St. Louis.
Second Vice-Pres., Brace Hayden San Francisco.
Sec-Treas., T. James Fernley, Philadelphia.
Ex. Com., W. K. Belknap, Louisville; John C. Koch, Milwaukee; R. A. Kirk, St. Paul; Samuel A. Bigelow Boston; P. E. Strauss, Boston; J. D. Moore, Birmingham.

**National Retail Hardware Dealers' Association.**
Pres., W. P. Lewis, New Albany, Ind.
Vice-Pres., Geo. Hubbard, Flint, Mich.
Sec., M. L. Corey, Argus, Ind.
Treas., H. T. Helgeson, Milton N. D.
Ex. Com. Z. T. Miller, Bloomington, I l.; Fred Neudorff, St. Joseph. Mo; I. A Sibley, South Bend Ind.; H. A. Cole, Council Bluffs, Ia.; H. G. Cormick, Centralia, Ill.

**North Dakota Retail Hardware Dealers' Association.**
Pres., H. T. Helgesen, Milton.
Vice-Pres., H. N. Joy, Hamilton.
Treas., W. H. Pinkerton, Lakota.
Sec., C. N. Barnes, Grand Forks.
Ex. Com., H. Harrington, Fargo; W. W. Jamieson, Wahpeton; H. F. Strehlow, Casselton; I. L. Newgard, Grafton; H B. Allen, Jamestown; H. A. Mae, Church's Ferry.

**Ohio Hardware Association.**
Pres., O. M. Scott, Marysville.
Vice-Pres., W. P. Bogardus, Mt. Vernon.
Cor. Sec., Geo. Gray, Coshocton.
Financial Sec., Will C. Jones, Columbus.
Treas., H. G. Woodward, Sidney.
Ex. Com., Geo. B Meyer, Cincinnati; Geo. V. Guyton, Ada; H. F. Rahe, Cleveland; J. Rohrbacher Akron; A. H. Strome, Warsaw. Frank Winters, Lancaster; James B Carson, Hamilton; R. Brown, Washton Court House.

**Philadelphia Retail Hardware Dealers' Association.**
Pres., Frank Schmidt.
Vice-Pres., Julius M. Aff.
Sec., T. B. Hendricksen.
Treas. Edward H. Shannon.
Trustees, Wm. E. Andrews, Lewis C. Claditg and Aaron I. Sanson.

**St Louis Stove Dealers' Ass'n.**
Pres., F. A. Kansteiner.
First Vice-Pres., Aug. Steinmeyer.
Second Vice Pres., Aug Gruendler.
Sec., A. F. Geschwindner.
Treas., L. J. Boehl.

**Southern Hardware Jobbers' Association.**
Pres., J. D. Moore, Birmingham Ala.
1st Vice-Pres., F. A. Heitman Houston, Tex.
2d Vice-Pres., Bruce Keener Knoxville, Tenn.
Sec., C. B. Carter, Knoxville, Tenn.
Ex. Com., W. M. Crumley, Atlanta, Ga.; O. B. Barker, Lynchburg, Va.; Chas. H. Irelad, Greensboro, N. C.; B. F. Eshleman, New Orleans.

**Texas Hardware Jobbers' Association.**
Pres., F. A. Heitman, Houston.
1st Vice-Pres., J. C. Bering, Houston.
2d Vice-Pres., Ed. Strauss, Waco
Sec.-Treas., Robert Eikel, Houston.
Ex. Com., Jas. Moroney, Dallas; R. F. Bell, Weatherford; W. L. Sanford, Sherman; A. E. Goeth, Austin.

**Wisconsin Retail Hardware Dealers' Association.**
Pres., John Hessel, Antigo.
Vice-Pres., Otto Schlafer, Appleton
Sec., C. A. Peck, Berlin.
Treas., George Leverenz, New Holstein.
Ex. Com., Henry Droegkamp, Milwaukee; Arthur Heins, Tigerton; E. H. Ramm, New London; J. W[illegible]kie, Fond du Lac.

John McKinney & Son Co., Piper City, Ill., write us, Sept. 2, 1901: "We could not do business without your paper."

The Handy Things Co., who have been engaged in the manufacture of hardware specialties at 171 S. Clinton street, Chicago, have moved to Ludington, Mich.

Schmehr & Full, who have been in the hardware business at Tonica, Ill., have bought the hardware business of Jorg & Serig, Flanagan, Ill.

W. H. Ebert is president, Noah Linsley is secretary, L. R. Cook is treasurer and Charles F. Schrader, manager, of the Schrader Metal Co., Wallingford, Conn., capitalized at $10,000, for the manufacture of metal novelties.

The H. F. Brammer Mfg. Co., Davenport, Ia., are manufacturers of the original improved Brammer washer, the original O. I. C. pendulum washer and the original O. K. rotary ball-gearing washer, with gold and copper bronzed hoops and castings.

A new firm who will manufacture a standard line of punches, presses, shears, milling machines, horizontal forging presses, hand and power presses, foot and power hammers, brass goods, etc., is the Bremer Machine & Tool Co., Kalamazoo, Mich.

The Friend Manufacturing Co. succeed Hull Bros., Gasport, N. Y., in the manufacture of Friend sprays, spray pumps, spraying outfits, gasolene engines and other light farming machines. They are putting up a new work shop, two stories high, and a new foundry.

The J. D. Warren Mfg. Co., 502-503 Masonic Temple, Chicago, are in the market for prices on a complete duplicate equipment of wood working machinery for their annex building. They would be pleased to receive catalogues from manufacturers in this line, and will send a list of machines desired on inquiry.

A change was made in the *personnel* of the Edwards & Chamberlin Hardware Co., Kalamazoo, Mich., on Sept. 3. A. K. Edwards resigned as secretary and treasurer and was immediately re-elected as treasurer, while William D. Edwards was elected secretary. William D. Edwards has been for 18 years general buyer for the Fletcher Hardware Co., Detroit, Mich.

Some years ago we visited at the home of an enthusiastic rifleman, who proudly took us to a large shed where he showed about 30 original targets that he had lugged home from as many shoots, and on which his own shots and the dates of the shoot were marked with red paint. The space taken by this anything but pretty collection, the labor of lugging and painting mutilated and bulky targets, are all in marked contrast to the handiness of the "Rifleman's Record and Score book," sent the trade gratis by the Peters Cartridge Co., Cincinnati. Instead of a shed, your pocket will answer. Instead of fuming around with targets, you can mark the score book while the next man is shooting, and the job is done. Every sportsman in your town, Mr. Dealer, will appreciate one of these booklets, which you can get from this firm on application. When writing for same kindly add: "Saw it in THE AMERICAN ARTISAN."

## SCISSORS AND SHEARS.

An important acquisition to the business of the Smith & Hemenway Co., 296 Broadway, New York City, has been their taking over of the control of the product of the Geneva Shears Co., Geneva, N. Y. They will make a complete line of all kinds of scissors and shears. Straight trimmers, bent trimmers, barbers' shears, left-hand straight trimmers, ladies' scissors, pocket scissors, button-hole scissors, bankers' and paper hangers' shears, etc.

In Fig. 1 is shown the 8 inch straight trimmer, fitted with patent screw. This is a universal favorite and finely finished, either in full nickel plate or japanned handles and nickel plated blades.

Fig. 1—No. 257.

Fig. 2 shows a pocket shear which is unsurpassed in quality and workmanship by any shear made, it is claimed. It is fitted with patent screw and has double swaged blades and beveled bows. This shear is finished in nickel and fully warranted.

Fig. 2—No. 262.

Fig. 3 is an eight inch barbers' shear fitted with patent screw. This is acknowledged by barbers as an excellent pattern, and, as great care is used in manufacturing, it has proven satisfactory and is up to the usual high standard which is attained by all goods manufactured by this company.

Fig. 3—No. 259.

By employing skilled workmen, using the best material, improved machinery and modern methods, this firm are enabled to manufacture a superior article at a low price. All their goods are steel laid, the steel being Wardlow's best English shear steel. Especial care is taken in hardening and tempering to secure a good even cutting and wearing edge. It is their aim to constantly advance the standard of excellence of their manufacture, and they will spare no effort to continue to merit the patronage and confidence of the trade.

This firm would be pleased to send catalogue and prices to the trade on application. When writing for same kindly add, "Saw it in THE AMERICAN ARTISAN."

## HARDWARE SPECIALTIES.

The Caldwell Mfg. Co., Rochester, N. Y., send us their latest catalogue of hardware specialties. Among the new goods shown in this handsome catalogue, fresh from the press, are the Acme casement window fasteners, Dime screen door check, Up-to-date garment hangers and Jumbo nut crackers.

Among the advantages of the Caldwell sash balance is the principle of side friction on the drum to control the action of the spring and the adjustment screw in the face plate by which a slight variation in the weight of sashes can be instantly adjusted.

The Acme casement window fasteners operate on sash hinged to swing inside and out by reversing the strike. They bind the sash tightly against the casing. In the Dime screen door check the bumper is made of molded rubber, tapered to give the greatest amount of spring. It checks the door three inches from the closing point forcing the door to close without noise.

The Up-to-date trousers and shirt hangers are made in two sizes to hold four or six garments. The Jumbo nut cracker cracks the hardest nuts without mashing. The jaws extend from ⅜ to 1½ in.

Other goods shown in this volume are sliding window screen springs, Gem nutmeg graters, Caldwell screen door checks, Caldwell door springs, Caldwell door holders, Acme car door stops, Acme door stops, Empire door holders, Acme basement window sets, Empire side sash locks, Acme aluminum bronze sash ribbons, show case balance, wall case balances, marine window balances and car window balances.

This firm advise us that they have had a larger volume of business this year than ever before and are making arrangements to move into a much larger and better equipped factory later on in the season. This new catalogue should prove of interest to the entire hardware trade. Dealers in writing for same should kindly add: "Saw it in THE AMERICAN ARTISAN."

## FORTHCOMING MEETING NATIONAL HARDWARE ASSOCIATION.

The preliminary work for the forthcoming convention of the National Hardware Association at Cleveland, O., Oct. 9, 10, and 11, promises to eclipse all previous gatherings of this association. Both the officials of the National Association and the local committees at Cleveland are working like beavers to see that nothing is left undone that will help in any way to make this meeting a most conspicuous success. Already a vast amount of preliminary ground has been covered by Sec. T. James Fernley, and other association workers. The Passenger Associations have been visited and have granted a rate of fare and a third for the round trip, on the certificate plan, and in order that delegates so desiring may take in the Pan-American Exposition the date for the return passage has been extended to Oct. 19th, allowing the visiting jobbers eight days in Buffalo and also the benefit of very low rates from Cleveland to Buffalo.

George T. McIntosh, 116 Superior st., Cleveland, O., will secure hotel accommodations for the visitors, and is anxious to secure the names of all delegates who will attend and advise as to the character of the rooms they desire.

Secretary Fernley is desirous of obtaining the views of members as to the subjects which will be most beneficial for discussion at this forthcoming meeting before the program for same is definitely arranged.

In a recent circular letter sent out to the members by Secretary Fernley there is the following interesting information in regard to the arrangements made for the attendance of members at the Buffalo Exposition:

On June 24th we notified you that arrangements would be made for the accommodation of such of our delegates as desired to visit the Pan-American Exposition after the sessions of the convention. The members of our Association in the city of Buffalo have made careful inquiry as to the most desirable hotels to recommend to the membership, and as a result of this inquiry they have recommended the

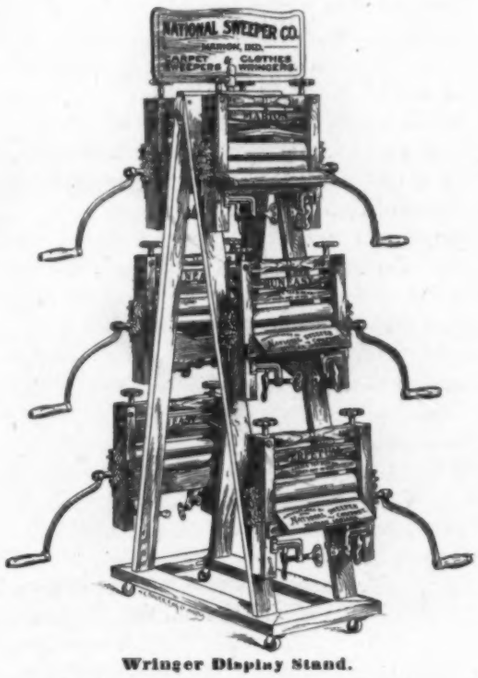
Hotel Gibbs, located on Elmwood avenue, on which avenue there is a direct car line to the Exposition, or for those who prefer, a short walk of but three minutes. This hotel names a rate to our delegates of $1.00 to $1.50 per day for each person, where two occupy the same room, and $2.00 to $3.00 per day where a room is occupied by but one individual.

The Committee also recommends the Brandtford Apartments, corner of Potomac ave. and Brandtford Place. This hotel is one square from the car line, and not more than five minutes' walk to the Exposition grounds. They make us a rate of $2.50 per day, per room, stating that rooms can accommodate two persons.

Inasmuch as it is anticipated that a large number of people will visit the Pan-American Exposition during the month of October, we suggest that you engage your accommodations in that city immediately. This can be done by writing at once to either of the hotels named.

## WRINGER DISPLAY STAND.

The National Sweeper Co., Marion, Ind., are manufacturers of the wringer display stand, shown in the accompanying cut. Although it has been but a few months since this company commenced to manufacture wringers, it is making rapid strides. This line of wringers is known as the "Magnet line," and consists of a good assortment of both bench and tub wringers in various styles, to meet all the ordinary requirements. Particular attention is being paid to the rolls, and the company claims that it is furnishing the best rolls for the length of time of guarantee on the market.




**Wringer Display Stand.**

One of the innovations of this company is this display stand, which it furnishes free of charge to its customers. It is made of clear maple, strongly put together, and, being mounted on casters, it can be easily moved from one place to another without removing the wringers. As shown in cut, display stand is arranged to hold 6 tub wringers in such a manner the dealer has every opportunity to show the mechanism of the wringers to his customers. Another advantage of this display stand is that it can be used for carpet sweepers as well as clothes wringers, or both, which makes it particularly useful to the smaller dealer who is crowded for

room. He can show wringers on one side and carpet sweepers on the other.

This firm would be pleased to send dealers their catalogue on application. When writing for same kindly add: "Saw it in THE AMERICAN ARTISAN."

## WILL ENTERTAIN WESTERN JOBBERS.

The Chicago hardware manufacturers, manufacturers' agents and jobbers are preparing to entertain the western hardware jobbers passing through this city en-route to the convention of the National Hardware Association to be held at Cleveland, Oct. 9, 10, and 11. They have organized themselves into a Hardware and Manufacturers' Club and have already raised $500 for entertainment purposes. A carriage drive, dinner and theater party are on the program for the entertainment of these visitors and there is no doubt of Chicago's putting her most hospitable foot forward.

## STANDING COMMITTEES FOR SOUTHERN JOBBERS.

Secretary Carter, of the Southern Hardware Jobbers' Association, sends us the following list of recently appointed standing committees for that organization:

Transportation Committee—W. E. Newill, King Hardware Co., Atlanta, Ga.; John Donnan, W. S. Donnan & Co., Richmond, Va.; W. L. Sanford, Roberts, Sanford & Taylor Co., Sherman, Tex.

Manufacturers' Committee—C. E. Speer, Speer Hardware Co., Ft. Smith, Ark.; A. Baldwin Jr., A. Baldwin & Co., New Orleans, La.; Frank S. Gray, The S. B. Hubbard Co., Jacksonville, Fla.

Grievance Committee—James Moroney, Moroney Hardware Co., Dallas, Tex.; S. McDowell, Baker & McDowell Hardware Co., Natchez, Miss.; P. G. Wall, Knight & Wall Co., Tampa, Fla.

Press Committee—F. P. May, F. P. May & Co., Washington, D. C.; Thos. W. Fritts, Tom Fritts Hardware Co., Chattanooga, Tenn.; A. B. Palmer, Palmer Hardware Co., Savannah, Ga.

Membership Committee—Joseph Orgill, Orgill Bros. & Co., Memphis, Tenn.; R. F. Bell, R. E. Bell Hardware Co., Weatherford, Tex.; C. A. Cunningham, Cunningham Hardware Co., Mobile, Ala.; W. A. Pleasants, W. A. Pleasants Hardware Co., Shreveport, La.; Chas. H. Watkins, Watkins-Cottrell Co., Richmond, Va.

## MORE'S REVERSIBLE CORN POPPER.

The accompanying cut shows More's reversible corn popper, manufactured by C. A. Chapman, 279 Exchange street, Geneva, N. Y. This popper is made

double, to answer the purpose of two poppers. One side is made of wire, to be used when the corn is preferred popped dry. The other side is made of steel, to be used when the corn is preferred popped in the seasoning. Mr. Chapman makes a number of interesting specialties for the hardware trade, including the Mrs. Van Dusen cake mold, Mrs. Van Dusen egg whip and "Crusty" bread pan.

## BUSINESS CHANGES.

NEW FIRMS.

Ashtabula, O.—Mack & King.
Charleston, S. C.—The Coleman-Wagener Hardware Co.
Florence, S. C.—Florence Hardware Co.
Medford, Okla.—H. M. Stewart.
Natick, Mass.—W. D. Parlin Hardware Co.
North Baltimore, O.—Brewster & Rogers.
Sioux Falls, S. D.—Sioux Falls Hardware Co.
Springfield, Mo.—Rogers & Baldwin Hardware Co.
Tate, Neb.—Will Holm.
Lawton, O. T.—The Harrison Sandidge Hardware Co.
Jonesboro, Ark.—W. R. Neblett & Co.
Cleveland, Miss.—E. B. Hill & Co.

CHANGES.

Fairmont, W. Va.—Marvin D. Boland has purchased a share in Hood & Clelland.

High Springs, Fla.—E. K. Anderson succeeds Robinson & Co.

Kalamazoo, Mich.—George Sperry succeeds Charles Schau.

Marshalltown, Ia.—William Forbush succeeds Loree Hardware Co.

Terrill, Ga.—G. W. and D. G. Nefzger succeed W. P. Ferguson.

Pullman, Wash.—McCann & Outman succeed The McCann Hardware Co.

New York City, N. Y.—J. Frenkel succeeds John De Visser.

Wapella, Ill.—W. R. Carle succeeds George Givens.

Mellette, S. D.—F. W. White has purchased the half interest of C. K. Dwelly.

Sheboygan, Mich.—Rebok Bros. & Co. sell to J. Meyers & Sons.

Elkton, Ky.—E. H. Miller is succeeded by S. H. Wells.

Winter, Tex.—Murray & Hall are succeeded by Murray Bros.

Fitzgerald, Ga.—D. M. Dalee is succeeded by Dalee & Johnson.

Sweetwater, Tex.—J. A. J. Bradford Hardware Co. are succeeded by Wood & Brannon.

Corsicana, Tex.—A. B. M. Walker is succeeded by Kerr Bros.

McMinnville, Tenn.—M. A. Rogers is succeeded by C. W. Rogers.

Gadsden, Ala.—The firm of Smith, Echols & Burnette succeed the firm of Smith & Echols.

Ben Franklin, Tex.—Carlock Bros. have admitted T. C. Carlock.

Ripley, Miss.—Spight Bros. succeed Shannon & Spight.

Clarendon, Tex.—Wheeler & Farum succeed Wheeler & Thompson.

STOPPAGES.

Brightwood, Mass.—The Stebbins Manufacturing Co.
Campello, Mass.—Mr. Wilfred Keith.
Ottawa, Ill.—Armstrong & Mitchell.
Perrysville, O.—John G. D. Tucker.
Shippensburg, Pa.—William A. Cox.
Syracuse, N. Y.—Henry King.
Tivoli, N. Y.—Charles H. Morgan.
Trident, Ark.—James Oatis is reported to have sold out.
Keyser, W. Va.—E. L. Rinehart & Son.

Fort Worth, Tex.—The Harrison Sandidge Hardware Co., moved to Lawton, O. T.

Okolona, Miss.—C. H. Glidewell & Co.

Brownsville, Tenn.—W. R. Neblett & Co., moved to Jonesboro, Ark.

Memphis, Tenn.—E. B. Hill & Co., move to Cleveland, Miss.

# Heating and Ventilating.

A press dispatch from Boston states that steam fitters there complain that the price of iron pipe has almost reached a prohibitive point, and building operations in that city are seriously impeded.

W. H. Colebrook Sons & Co., Syracuse, N. Y., send us some neat blotters, showing some farmers going to a fair and stating that "to the fair treatment of every customer we devote all our facilities in the manufacture of Colebrook's asbestos furnace cement and stove putty."

Arrangements have been perfected making the Chicago Heater & Supply Co., 54 Dearborn street, Chicago, western managers for the entire line of Superior furnaces, Utica heaters, Imperial steam and hot-water sectional and round boilers and Auburn steam and hot-water round boilers manufactured by the Utica Heater Co., Utica, N. Y.

The Independent Register Co., Cleveland, O., send us an attractive postal, stating that "Right now is none too soon to place your orders for registers and ventilators. All indications point to an unusually busy fall in this line. The rush generally comes with a sudden swoop—and the late orders are necessarily hindermost in delivery. Be wise. Get under cover now. 'Tis said 'The first shall be last,' but it don't fit your case. Send the order and it will be filled promptly."

The Danville Stove & Mfg. Co., Danville, Pa., send us a circular describing their new Beaver furnace. This furnace has a large heavy sectional fire pot with large protruding flanges. The large crab radiator which connects the heavy steel radiators with the fire chamber is practically indestructible. The steel radiators are constructed of the best quality of heavy steel plate. The grate is a revolving heavy bar grate of the duplex pattern. It is geared with cogs and operated by a crank. The bars are all mounted in a frame and held in place by a single bolt. By removing this bolt the grates can be drawn out of the ash pit door for repairs. A large dust flue connects the ash pit with the exit flue, preventing all dust and ashes being carried through the registers. A large direct draft opening is provided to be used when the fire is to be started. A perfect check draft is attached to the smoke outlet. One of these circulars will be forwarded the trade on application. When writing for same kindly add: "Saw it in THE AMERICAN ARTISAN."

## CHAMPIONSHIP GOLF CUP.

Sam O. Dugger, Chicago representative of the Western Tube Co., Kewanee, Ill., is prepared to furnish the necessary tees, ells and other unions for connecting a golf ball to a hole.

Golf experts who have seen Mr. Dugger's play say that he is equally at home in swiping the ball with a heroic drive in teeing off; in coaxing it out of a refractory bunker or in placidly putting hard enough but not too hard. At any rate Mr. Dugger traveled down to Midlothian last week and took part in the tournament of the Western Golf Association, qualifying for the third flight cup, being only a few strokes behind the best qualifications for first and second cups, and, as a result, the handsome trophy shown herewith is hanging on a peg in "Sam's" clothes closet. The inscription on this cup reads, "Third Annual Championship, Western Golf Association. Third Sixteen Cup, Aug. 20, 21, 22, 23, 24, 1901." The cup itself, we should judge, is about the one and one-half *litre* size. It required plenty of hard driving and putting to land this trophy.

His first antagonist was S. H. Hunt, of the Washington Park Club, whom he defeated 2 up and 1 to play. F. R. Pettit, the pride of Kenosha golfdom, gave Mr. Dugger a real warm time, but succumbed by 1 hole in 19. In order to reach the finals he had to vanquish Thayer McMillan, of Detroit, which he did with his lucky 1 up score, and, in spite of the golf hoggishness of the Glenview Golf Club, he succeeded in defeating W. I. Osborne, of that club, 1 up, winning the cup.

**Sam O. Dugger's Championship Golf Cup.**

Of Mr. Dugger's play the Inter Ocean says: "Sam O. Dugger, the captain of Hinsdale Club, took the third Flight Cup after a spirited contest with one of Glenview's most stubborn players—W. I. Osborne—the hero of many hard-fought battles. And 'Samm' had a close call, winning only by a hole. It was a nip-and-tuck game, and each had to fight hard to hold the other. Mr. Dugger has been golfing for practically only two seasons, but the keen golf which he put up in the tournament just finished stamps him as a comer, and shows that his recent victories in team matches were not due to any flukes."

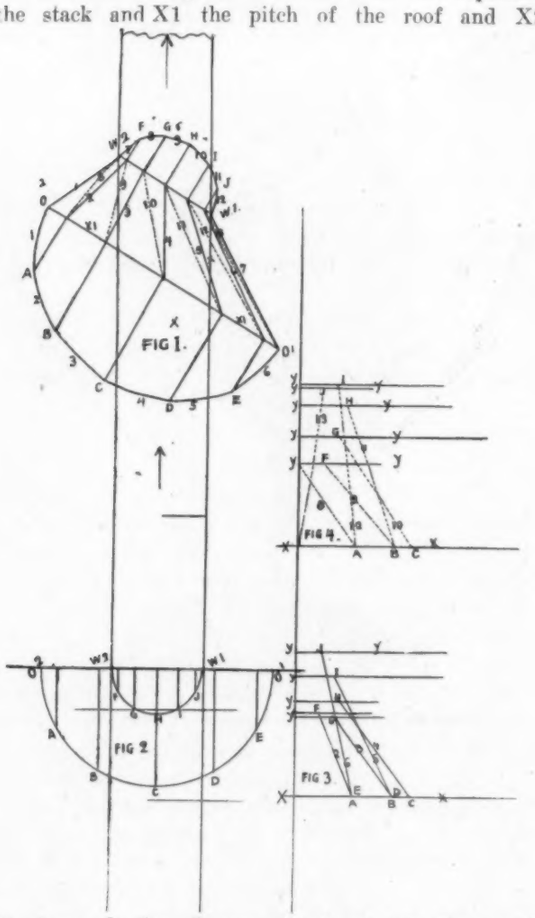
The Wireton Heating Co., 40 Dearborn street, Chicago, send us a circular describing their Auer side wall register, ventilator and deflector. This is a register, a register border, a ventilator and a register box all in one. The register box is cast iron and can be placed in position at the time the stacking is done. The deflector, grating and frame are removable, and after the plastering is finished these parts can be replaced and the furnace work immediately finished.

# Tinshop.

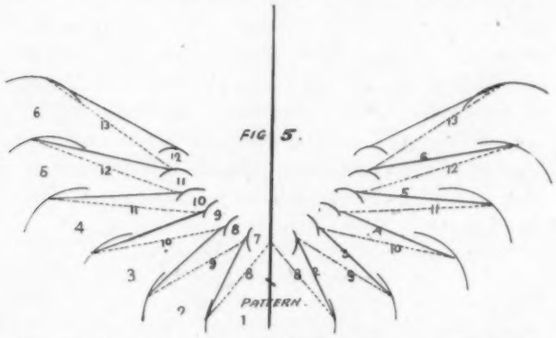
## FLANGE PATTERN.

TO THE AMERICAN ARTISAN.

A pattern for a flange around a stack having the same distance around the stack and also the same pitch of the roof is given herewith. Let X represent the stack and X1 the pitch of the roof and X2




the top of the flange. Start at X then get the pitch of the roof, which is X1; then make your equal distance around the stack, which is O1 and O2; then get the height of the flange, which is X2. Then strike the circle in Fig. 2 into any number of




equal parts that run parallel to Fig. 1. Then proceed as follows at right angle at the points that intersect the pitch of the roof and the top of the stack. Then set your dividers from Fig. 2 at the points a, b, c, d, e at right in Fig. 1, then run your dotted lines from a to w 2, from b to b. from c to g, etc. Then strike at right angle Fig. 3 and Fig 4. Then set the dividers from O2 to w2 in Fig. 1 to Fig. 3 at xy. Then take the distance from a2 in Fig. 1 on the lines XX in Fig. 3, then take the distance from 2f in Fig. 1 on the lines YY in Fig. 3, etc. Then take the dotted lines in Fig. 1, take a8 to w2 in Fig. 1 on the lines XX in Fig. 4, the rest of the dotted and slide lines the same way.

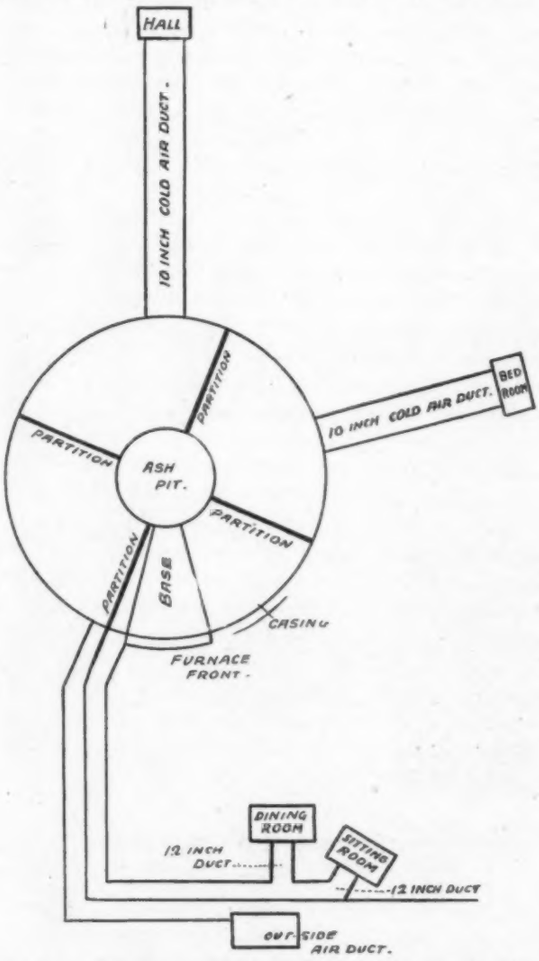
Now for the pattern Fig. 5. Take the distance from X to 1 in Fig. 3, then strike arc 1 Fig. 5. Then take 8a in Fig. 4 from 1 in Fig. 5 to arc 7 in Fig. 5, then take from a2 to 2b in Fig. 3 to arc 2 in Fig. 5, etc. All the rest of the dotted and solid the same way.

Cleveland, O., Aug. 31, 1901. J. GABLE.

## PARTITIONING OFF THE COLD AIR SUPPLY.

TO THE AMERICAN ARTISAN.

Enclosed find the plan of a furnace I recently put in which will show the advantages of having plenty of cold air in a furnace heating job. This is a severe climate in winter and people want a furnace which will heat a given room quickly. The only way to do this is




to have a number of cold air supply ducts to the furnace. In this furnace there are five ducts giving a cold air supply—one from the hall, one from a bedroom, one from a dining room, one from a sitting room, and one from outdoors. It is rarely necessary to use the outdoor supply. A glance at the casing of the furnace shows that the different air supply ducts are kept separate from each other by sheet iron partitions inside the fur-

nace casing. These partitions are essential, otherwise the cold air drawn down one of these ducts simply passes out of another, and not a spoonful of cold air is used to supply the furnace. This scheme, outlined herewith, gives a fine circulation for the furnace, whatever the temperature, direction of the wind, etc. I would like the opinions of other furnace men on its merits.

"FURNACE MAN."

————, Wis., Sept. 3, 1901.

## HAND VS. MACHINE WORK.

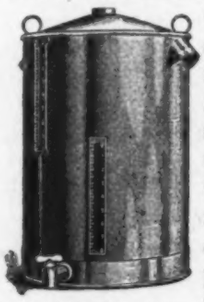
F. D. Burgess, Waupaca, Wis., was a recent caller at THE AMERICAN ARTISAN office. In speaking of the field open to a tinner Mr. Burgess said: "Tinners who throw up their hands and say it is useless to try to compete with machine-made goods make a serious mistake. It is true that they are up against it as regards price, but when it comes to quality a good sheet metal worker should have no difficulty in holding his own. In fact, farmers and people generally are gaining wisdom from experience, and there is a perceptibly larger number of people who are buying hand-made rather than machine-made tinware.

"Milk pails are a standard article in a dairy country, and there are a goodly number used in the course of a year. Various tinware factories put a machine-made pail on the market for 60 cents. Now, I make a good pail of two-cross tin, well soldered and durable that I have no difficulty in selling for 80 cents.

"Then, there is the matter of wash boilers. A wash boiler is a wash boiler all over the world and, while the various tinware factories can sell a boiler for $3.50, I find no trouble in finding plenty of people willing to pay $5.00 for a good hand-made boiler, made from good materials."

## THE JERSEY CREAM SEPARATOR.

The accompanying cut shows the Jersey cream separator, manufactured by the Galesburg Cornice Works, Galesburg, Ill. This cream separator separates the cream from the milk in less than one hour. It is, it is claimed, the most practical, simple and reliable separator on the market, and is sold to the legitimate trade exclusively. This firm manufacture a full line of architectural sheet metal work and would be pleased to correspond with dealers in need of anything in this line.



The Jersey Cream Separator.

in need of anything in this line.

When writing them kindly add: "Saw it in THE AMERICAN ARTISAN."

## PERFECTION RAIN-WATER CUT-OFF.

Some years ago W. A. Smith & Co., Lima, O., patented a rain water cut-off which rapidly acquired a warm place in the affection of house owners everywhere on account of its superior simplicity, strength and durability. This cut-off was styled the Perfection, and is now manufactured only by the Klauer Mfg. Co., Dubuque, Ia., who, in looking over the market, became impressed with the merits of this cut-off and secured the rights to manufacture same.

## CREOSOTE IN STOVE PIPE.

B. L. Van Vecten, a La Jara (Colo.) hardware dealer, writes us under cover of August 28, enclosing a letter from one of his customers in which he complains that creosote eats through the iron pipe, and asks for some acid-proof material for a stove pipe.

## NOTES AND QUERIES.

MALLEABLE STEEL RANGES.

From R. O'Neill, Fargo, N. D.

Who makes malleable steel ranges outside of St. Louis?

Ans.—Malleable Range Manufacturing Co., South Bend, Ind., and the Dauntless Manufacturing Co., Beaver Dam, Wis.

TOY PISTOLS.

From S. Clune, Indianapolis, Ind.

Where can I buy toy pistols?

Ans.—R. Bliss Mfg. Co., Pawtucket, R. I.; Ives & Williams Co., Bridgeport, Conn.; Landers, Frary & Clark, New Britain, Conn.; I. & E. Stevens Co., Cromwell, Conn.; Wilkins Toy Co., Keene, N. H.

AIR GUNS.

From S. Clune, Indianapolis, Ind.

Where can I buy air guns?

Ans.—Eben Pierce, New Bedford, Mass.; H. M. Quackenbush, Herkimer, N. Y.

CHILDREN'S DESKS.

From S. Clune, Indianapolis, Ind.

Where can I buy children's desks?

Ans.—Paris Mfg. Co., Paris, Me.

GALVANIZED ANGLE IRON.

From N. A. Nasby, Bode, Iowa.

Where can I buy galvanized angle iron for mounting galvanized iron tanks?

Ans.—Jones & Laughlin, Ltd., Chicago, and J. T. Ryerson & Co., Chicago, make angle iron in the black and can have it galvanized when it is so desired.

HOWARD FURNACE CO.

From Geo. W. Stewart, Washington, Ia.

What is the address of the Howard Furnace Co.?

Ans.—They went out of existence some years ago.

UNCLE SAM FURNACE PIPE DAMPER.

From Kansas City Furnace Pipe Co., Kansas City, Mo.

Would like address of firm manufacturing the Uncle Sam damper clip?

Ans.— Sayre Stamping Co., Sayre, Pa.

FIRE ALARM BELLS.

From Mann & Co., Pierson, Ia.

Where can we buy fire alarm bells?

Ans.—Bevin Bros. Mfg. Co., East Hampton, Conn.; Blymyer Iron Works Co., Cincinnati, O.; Cincinnati Bell Foundry Co., Cincinnati, O.; W. T. Garratt & Co., Inc., San Francisco, Cal.; New Departure Bell Co., Bristol, Conn.; Rumsey & Co., Ltd., Seneca Falls,

N. Y.; E. W. Van Duzen, Cincinnati, O.; Viaduct Electric Co., Baltimore, Md.; E. A. Williams & Son, Jersey City, N. J.

MANUFACTURERS OF PIECED TINWARE.

From Ruka Bros. Mfg. Co., Ltd., Boscobel, Wis.

Would like address of two or three manufacturers of pieced tin ware outside the trust?

Ans.—Geuden & Paeschke, Milwaukee, Wis.; J. P. Lindemann & Sons, Milwaukee, Wis.; Central Stamping Co., New York; Stuber & Kuck, Peoria, Ill.; C. Sidney Shepard & Co., Chicago; Sturgis, Cornish & Burn, Chicago.

STEEL OVEN MANUFACTURERS.

From J. H. Tinder, Seymour, Ind.

Would like names and addresses of steel oven manufacturers?

Ans.—Brand Stove Co., Milwaukee, Wis.; Born Steel Range & Mfg. Co., Cleveland, O.; Northwestern Stove Repair Co., Minneapolis, Minn.; Hubbard Portable Oven Co., 118 Michigan street, Chicago.

MAGNESIA PIPE COVERING FOR FURNACES.

From Omaha Stove Repair Works, Omaha, Neb.

Would like address of a firm making magnesia pipe covering for furnaces?

Ans.—Walch & Wyeth, 208 Lake street, Chicago.

ADDRESS OF GEO. W. DIENER.

From Lewis G. Cook, Sunbury, O.

What is the street address of Geo. W. Diener, Chicago, maker of the Gate City gasolene fire pot?

Ans.—The Geo. W. Diener Mfg. Co., makers of this fire pot are located at 74 W. Lake street, Chicago.

## ITEMS.

It is said a new tin plate plant will be erected at Meyersdale, Pa.

It is said a new four-mill tin plate plant will be erected at Johnstown, Pa.

The Jackson Iron & Tin Plate Co. has already let contracts for $250,000 worth of machinery for their Clarksburg (W. Va.) plant.

On Sept. 9 the United States Steel Corporation will start its steel mill at New Castle, Pa., non-union, and will operate it in all departments.

Charles H. Reeves Jr., manager of the Chicago office of Merchant & Co., 46 S. Clinton street, Chicago, was a recent caller at THE AMERICAN ARTISAN office.

Lloyd Booth, president of the Lloyd Booth plant of the United Engineer & Foundry Co., died at his residence, at Youngstown, Ohio, August 27, in his sixty-seventh year. Mr. Booth was prominent as a manufacturer of tin plate mill equipment. He leaves a widow, son and daughter.

Charles Ahrens, a roofer, residing at 422 Van Brunt street, Brooklyn, N. Y., was instantly killed on August 31, by falling four stories from the roof of the dry goods store of H. B. Claflin & Co., Worth street and West Broadway, New York City. He was twenty-eight years old and unmarried.

C. G. Dennison, the manager of the Chicago office of C. Sidney Shepard & Co., 19 Randolph street, has just returned from an extended western trip of 15 days, in which he visited their San Francisco, Seattle and Denver branches and found them in a flourishing condition. Mr. Dennison covered a wide range of territory in a limited time, spending 10 of the 15 nights he was away on sleeping cars.

George Joyce, a tinsmith residing at 505 East One Hundred and Sixty-fifth street, New York, has just successfully undergone a most delicate surgical operation. August 18 he was thrown from a street car, falling on his head and paralyzing the right side, right leg and vocal organs. This was due, the surgeons thought, to a clot of blood on the brain. A hole was bored in Joyce's skull and the clot was found and removed. On September 2 he was able to talk for the first time since his accident.

The only obstacle to a speedy settlement of the strike of the Amalgamated Association of Iron, Steel and Tin Plate workers appears to be the personality of President Shaffer. The United States Steel Corporation have made the association the very liberal offer to consider as union all mills which the Amalgamated Association has succeeded in closing, and as non-union all mills it has succeeded in running in spite of the association. The only thing that seems to prevent the acceptance of this offer is Shaffer's fear of loss of prestige in accepting these terms.

A series of conferences are being held in the offices of the United States Steel Corporation, with the object of bringing about a settlement of existing labor difficulties. The participants include Charles M. Schwab, president of the United States Steel Corporation; W. E. Cory, president of the Carnegie Co.; Samuel Gompers, president of the American Federation of Labor; John Mitchell, president of the United Mine Workers' Association; Prof. Jenks, of the Industrial Commission; Secretary Easley, of the Civic Federation, and Harry White, secretary of the Garment Workers' Association.

Merchant & Co., Inc., Philadelphia, Pa., are enjoying a larger western business than ever before, and their Chicago office, located at 46 S. Clinton street, has had a busy season of it. In order to thoroughly canvass the western trade they have recently added a couple of traveling men, viz., L. D. Willis and W. H. Gardner. Mr. Willis will travel through northern Illinois and Mr. Gardner through central Illinois in their interests. Both these additions to this firm's traveling corps are experienced tin plate and metal men. Mr. Gardner has been in this line for the past 15 years.

Several important changes have been made in the personnel of the J. M. & L. A. Osborn Co., Cleveland, Ohio, and Columbus, Ohio, manufacturers of tin plate, sheet iron, copper, zinc, tinners', roofers', builders' and furnace men's supplies. W. M. Esterly, after being with this house fourteen years, has left to go into business for himself, and his position has been assumed by their W. P. Abel. E. C. Howard, who for the past ten years has covered the territory contiguous to Columbus as represenatative of a local metal house, will hereafter have charge of this firm's prosperous Columbus branch, succeeding C. C. Moore, who has been in charge of same for the past two years.

## ADVERTISERS INDEX

### ALPHABETICAL LIST.


Acme Pattern Works..... 44
Acorn Brass Works..... 50-52
Altchison, The Robert Perf'd Metal Co..... 55
American Cutlery Co..... 59
American Radiator Co..... 2
Amer. Stove Repair Co..... 44
American Tinplate Co..... 58
Asheville Mica Co..... 44
Atkins, E. C. & Co..... 60
Atlas Bolt & Screw Co..... 1
Atlas Mfg. Co..... 1
Auer Register Co..... 20
Auld & Conger..... 57
Ayl ng Bros..... 46
Barnett, G. & H. Co..... 1
Beckwith, Estate of P D..... 22
Benbow-Brammer Mfg. Co..... 47
Berger Bros. Co..... 55
Bergstrom Bros. & Co..... 18
Berger Mfg. Co..... 58
Bertsch & Co..... 55
Blacklock Foundry Co..... 50
Bommer Bros..... 1
Boynton Furnace Co..... 12
Br dner, Smith & Co..... 56
Brauer, A. G..... 44
Brammer, H. F. Mfg. Co..... 47
Brand Stove Co..... 18
Bridgeport Crucible Co..... 44
Brohard Co..... 45
Brucker, M..... 45
Buckeye Paint & Varnish Co..... 44
Burgess Soldering Furnace Co..... 53
Burton, W. J. & Co..... 56
Caldwell Mfg. Co..... 54
Canton Steel Roofing Co..... 57
Castle, Wilmot Co..... 21
Channon-Emery Stove Co..... 6
Chapman, C. A..... 54
Chicago House Wrecking Co..... 55
City Stove Repair Co..... 45
Clark Novelty Co..... 2
Clark, Quien & Morse..... 47
Clayton, Lambert Mfg. Co..... 54
Cleveland Stamping & Tool Co..... 47
Colebrook, W. H., Sons & Co..... 15
Columbus Bolt Works..... 1
Connors, Wm..... 1
Cooney-Geiger..... 56
Cope, Geo. W. Pattern Works..... 44
Cortright Metal Roofing Co..... 59
Cox, Abram Stove Co..... 4
Dauntless Mfg Co..... 11
Detroit Htg. & Ltg. Co..... 11
Detroit Steel Range Co..... 9
Detroit Stove Works..... 17
Dietz, R. E. Co..... 46
Disston's Henry Sons..... 51
Dixon, Jos. Crucible Company..... 43
Dreis, Andrews & Krump..... 53
Dust, Wm. T. Co..... 45
East Bangor Consolid'd Slate Co..... 57
Eller, J. H. & Co..... 56
Enterprise Mfg. Co..... 51
Enterprise Stove Co..... 15
Fanner Mfg. Co..... 19
Favorite Novelty Co..... 54
Forest City Foundry Co..... 17
Fox Cutlery Co..... 53
Friedley & Voshardt..... 59
Galesburg Cornice Works..... 59
Galusha Stove Co..... 10
Garry Iron and Steel Co..... 57
Globe Ventilator Co..... 1
Gobeille Pattern Works..... 44
Great Western Stove Rep. Wks..... 44
Harrington & King Perforating Co..... 60
Hart & Crouse..... 20
Henry & Scheible..... 20
Hoffman, Geo. W..... 45
Howes, S. M. Co..... 18
Illinois Roofing & Supply Co..... 59
Imperial Gas Lamp Co..... 50
Independent Register Co..... 1
Indianapolis Pattern Works..... 44
Ironton Wood Mantel Co..... 54
Iwan Bros..... 53
Jenner, H. W. T..... 42
Joliet Stove Works..... 7
Jones, J. H..... 2
Jones & Dommersnas..... 48
Kelsey Furnace Co..... 2
Kewanee Boiler Co..... 2
Kimball Bros. Elevator Co..... 59
Klauer Mfg. Co..... 57
La Crosse Steel Roofing & Cor. Co..... 57
Lee, Glass Andreesen Hdw Co..... 48
Litchfield, J. M..... 55
Lufkin Rule Co..... 59
M & D Range Co..... 11
May & Fiebeger..... 16
McClure & Co..... 60
Merchant & Co..... 58
Meyer Furnace Co..... 15
Miller, Jas. A. & Bro..... 57
Mi waukee Dustless Brush Co..... 54
Monroe Furnace & Foundry Co..... 18
Montross Metal Shingle Co..... 56
Morris, J. L. Stove Repair Co..... 45
Mueller, L. J. Furnace Co..... 14
Munsell & Co..... 45
National Enameling & Stamping Co..... 49
National Sweeper Co..... 54
New Haven Novelty Machine Co..... 19
Niagara Machine & Tool Works..... 59
Northrop, H. S..... 56
Obermayer, S. Mfg. Co..... 19
Old Dominion Iron & Nat. Works..... 55
J. M. & L. A. Osborn Co., The..... 60
Palermo Mica Co..... 45
Peck, Hubert..... 42
Perkins, J. L. & Co..... 56
Peters Cartridge Co..... 48
Phila. Hdw. & Malleable Iron Wks..... 21
Phipps Furnace Co..... 18
Pittsburgh Stove and Range Co..... 8
Plume & Atwood Mfg. Co..... 56
Portsmouth Stove & Range Co..... 10
Quicklight Mfg. Co..... 52
Randleman Sons..... 47
Ringen Stove Co..... 3
Rochester Radiator Co..... 21
Rogers, S. L. & G H..... 49
Rubovits, Frank E..... 18
Schreiber & Conchar Mfg. Co..... 11
Schwab, R. & J. Co..... 17
Scullin, T F..... 55
Smith, Chas. Co..... 14
Smith & Hemenway Co..... 51
Sperry, D. R..... 55
Standard Chain Co..... 54
Standard Lighting Co..... 8
Stanley Rule & Level Co..... 51
Stellwagen & Kynoch..... 14
Stevens Arms & Tool Co..... 60
Sykes Steel Roofing Co..... 56
Taylor, N & G. Co..... 60
Tinnerman Steel Range Co..... 17
Tower Mfg Co..... 55
Townley, H. P..... 43
Union Stove Repair Co..... 44
Utica Heater Co..... 20
Utica Drop Forge and Tool Co..... 51
Warren, J. D. Mfg. Co..... 53
Weller, F. S..... 44
Welling Mfg. Co..... 47
White, Thomas..... 5
Willard, Wm. G..... 15
Wynn, Lewis D..... 46
Wireton Heating Co..... 12-13


### CLASSIFIED LIST.


**Advertising Writers**

Rubovits, Frank E..... 18
Townley, H. P..... 43

**Architectural Sheet Metal Work.**

Friedley & Voshardt..... 9

**Awnings.**

Canton Steel Roofing Co..... 57

**Brazing Forces.**

Burton, W. J & Co..... 56

**Building Paper.**

Bradner, Smith & Co..... 56
Burton W. J. & Co..... 56

**Ceilings-Steel.**

Berger Mfg. Co..... 58
Burton, W. J. & Co..... 56
Canton Steel Roofing Co..... 57
Eller, J. H. & Co..... 56
Friedley & Voshardt..... 59
Garry Iron Roofing Co..... 57
Illinois Roofing & Supply Co..... 59
La Crosse Steel Roof & Cor. Co..... 57
Northrop, H. S..... 56

**Cement.**

Connors, Wm..... 1

**Chains.**

Standard Chain Co..... 54

**Chimney Tops.**

Berger Mfg. Co..... 58
Burton, W. J. & Co..... 56
Garry Iron & Steel Co..... 57
La Crosse Steel R. & C. Co..... 57

**Conductor Strainers.**

Burton, W. J. & Co..... 56
Canton Steel Roofing Co..... 57
Garry Iron & Steel Co..... 57
La Crosse Steel Roofing & Cor. Co..... 57

**Cornices.**

Berger Mfg Co..... 58
Burton, W. J. & Co..... 56
Canton Steel Roofing Co..... 57
Garry Iron & Steel Roofing Co..... 57
La Crosse Roofing Co..... 57

**Couplings.**

New Haven Novelty Machine Co..... 19

**Corrugated Arches.**

Canton Steel Roofing Co..... 57

**Dampers.**

Brohard Co..... 45
Howes, S. M. Co..... 18

**Eave Troughs.**

Berger Mfg. Co..... 58
Berger Bros..... 55
Burton, W. J. & Co..... 56
Canton Steel Roofing Co..... 57
Clark, Quien & Morse..... 47
Cooney, Geiger & Co..... 56
Garry Iron & Steel Roofing Co..... 57
Illinois Roofing & Supply Co..... 59
La Crosse Steel Roof. & Cor. Co..... 57
Miller, Jas. A. & Bro..... 57
Welling Mfg. Co..... 47

**Elevators.**

Kimball Bros..... 59

**Faucets**

Clark Novelty Co..... 2
Litchfield, J. M..... 55

**Files.**

Barnett, G. & H. Co..... 1

**Flue Stoppers.**

Welling Mfg. Co..... 47

**Furnace Cement.**

Connors, Wm..... 1
Colebrook, W. H. Sons & Co..... 15

**Foundry Supplies.**

Obermayer, S. Mfg. Co..... 19

**Furnace Pipe.**

Osborn, The J. M. & L. A. Co..... 60

**Furnaces—Tinners.**

Burgess Soldering Furnace Co..... 53
Clark Novelty Co..... 2
Clayton, Lambert & Co..... 54

**Furnaces Warm Air.**

Bergstrom Bros. & Co..... 18
Boynton Furnace Co..... 12
Brand Stove Co..... 18
Forest City Foundry Co..... 17
Hart & Crouse..... 20
Kelsey Furnace Co..... 2
Meyer Furnace Co..... 15
Monroe Furnace & Foundry Co..... 18
Mueller, L. J. Furnace Co..... 14
Phipps Furnace Co..... 18
Schwab, R. J. & Co..... 17
Smith, Chas. Co..... 14
Utica Heater Co..... 20
Wireton Heating Co..... 12-13

**Gas Lamps**

Imperial Gas Lamp Co..... 50

**Hardware Specialties.**

American Cutlery Co..... 59
Atkins, E. C & Co..... 60
Atlas Mfg. Co..... 1
Atlas Bolt & Screw Co..... 1
Blacklock Foundry Co..... 50
Bommer Bros..... 1
Caldwell Mfg Co..... 54
Chicago House Wrecking Co..... 55
Galesburg Cornice Works..... 59
Iwan Bros..... 53
Jones & Dommersnas..... 48
Lee Glass, Andreesen Co..... 48
Lufkin Rule Co..... 59
Milwaukee Dustless Brush Co..... 54
Nat. Enameling & Stamping Co..... 49
Plume & Atwood Mfg. Co..... 56
Schreiber & Conchar Co..... 11
Scullin, T. F..... 55
Sperry, D. R..... 55
Tower Mfg. Co..... 55
Warren, J. D. Mfg. Co..... 53

**Heaters—Hot Water and Steam**

American Radiator Co..... 2
Kewanee Boiler Co..... 2
Smith, Chas..... 14

**Heaters—Oil.**

Standard Lighting Co..... 8

**Hog Scrapers**

Smith & Hemenway..... 51

**Horse Nails.**

Old Dominion Iron Nail Works..... 55

**Horse-Shoes.**

Old Dominion Iron & Nail Works..... 55

**Hose Coupling.**

Clayton, Lambert Mfg. Co..... 54

**House-Furnishing Goods.**

Blacklock Foundry Co..... 50
Chapman, C. A..... 54
Cleveland Stamping & Tool Co..... 47
Enterprise Mfg Co..... 51
Favorite Novelty Co..... 54
National Enameling & Stamping Co..... 49
Sperry, D. R. & Co..... 55

**Knives.**

Smith & Hemenway Co..... 51

**Lawn Sprinklers**

Smith & Hemenway..... 51

**Lemon Squeezers**

Smith & Hemenway Co..... 51

**Lamps**

Acorn Brass Works..... 50-52

**Lanterns.**

Dietz, R. E. Co..... 46

**Lights.**

Acorn Brass Works..... 50-52
Imperial Gas Lamp Co..... 50
Quicklight Mfg. Co..... 52

**Mantels.**

Ironton Wood Mantel Co..... 54

**Metal Shingles.**

Burton, W. J. & Co..... 56
Cortright Metal Roofing Co..... 59
Garry Iron & Steel Roofing Co..... 57
La Crosse Steel Roof & Cor Co..... 57

**Metals-Perforated.**

Altchison, The Robt Perf'd Metal Co..... 55
Harrington & King Perforating Co..... 60

**Metallic Shutters.**

Berger Mfg. Co..... 58
Burton & W J. Co..... 56
Canton Steel Roofing Co..... 57
Garry Iron & Steel Roofing Co.... 57
La Crosse Steel Roof & Cor Co.. 57

**Mica**

Asheville Mica Co..... 44
Munsell & Co..... 45
Palermo Mica Co..... 45

**Mitre Boxes.**

Smith & Hemenway Co..... 51

**Nails.**

Old Dominion Iron & Nail Works 55

**Nail Pullers**

Smith & Hemenway Co ..... 51

**Oil and Vapor Stoves.**

Ringen Stove Co..... 3

**Paints.**

Buckeye Paint & Varnish Co..... 44
Burton. W. J. & Co..... 56
Canton Steel Roofing Co..... 57
Dixon, Jos. Crucible Co..... 43
Garry Iron & Steel Co..... 57
La Crosse Steel Roofing & Cor.Co. 57

**Paper.**

Bradner-Smith & Co..... 56
Burton, W. J. & Co..... 56
La Crosse Steel Roof & Cor. Co... 57

**Patents.**

Jenner, H. W. T..... 42
Peck, Hubert..... 42

**Plyers and Nippers.**

Smith & Hemenway Co..... 51

**Polish.**

Buckeye Paint & Varnish Co..... 44
Hoffman, Geo. W..... 45

**Radiators.**

American Radiator Co..... 2
Rochester Radiator Co..... 21

**Razors.**

Fox Cutlery Co..... 53
Smith & Hemenway Co..... 51
Utica Drop Forge & Tool Co .... 51

**Registers.**

Auer Register Co..... 20
Canton Steel Roofing Co..... 57
Schreiber & Conchar..... 11
Henry & Scheible Co..... 20
Independent Register Co..... 1
Phila. Hdw. Malleable Iron Wks... 21

**Roofing.**

Auld & Conger..... 57
Berger Mfg. Co..... 58
Burton, W. J. & Co..... 56
Canton Steel Roofing Co..... 57
Cortright Metal Roofing Co..... 59
East Bangor Consolidated Slate Co ..... 57
Eller, J. H. & Co..... 56
Garry Iron & Steel Co..... 57
Klauer Mfg. Co..... 57
La Crosse Steel Roofing Co..... 57
Miller, Jas. A. & Bro..... 57
Montross Metal Shingle Co..... 56
Osborn, The J. M. & L. A. Co.... 60
Perkins, J. L. & Co..... 56
Sykes Steel Roofing Co. ..... 56
Taylor, N. & G. Co..... 60

**Saws.**

Atkins, E. C. & Co..... 60
Disston's Henry Sons..... 51

**Saw Sets.**

Smith & Hemenway Co..... 51

**Scales.**

American Cutlery Co..... 59

**Screw Drivers.**

Smith & Hemenway Co ..... 51

**Siding.**

Canton Steel Roofing Co..... 57

**Sporting Goods.**

Peters Cartridge Co..... 48
Stevens, J., Arms & Too Co..... 60

**Skylights.**

Burton, W. J. & Co..... 56
Canton Steel Roofing Co..... 57
Friedley & Voshardt..... 59
Garry Iron & Steel Co..... 57
Jones, J. H..... 2
La Crosse Steel Roof & Cor. Co.. 57

**Silverplated Ware.**

Rogers, S. L. & G.H..... 49

**Stove Bolts.**

Atlas Bolt & Screw Co..... 1

**Stove Casters.**

Independent Register Co..... 1
Fanner Mfg Co..... 20

**Stove Lining.**

Connors, Wm..... 1
Bridgeport Crucible Co..... 44

**Stove Patterns.**

Acme Pattern Works..... 44
Cope, Geo. W. Pattern Works.... 44
Gobeille Pattern Works..... 44
Indianapolis Pattern Works..... 44
Weller, F. S..... 44

**Stove Polish.**

Ayling Bros..... 46
Dixon, Jos. Crucible Co..... 43
Wynn, Lewis D..... 46

**Stove Repairs.**

Amer. Stove Repair Works..... 44
Brauer, A. G..... 44
Brucker, M..... 45
City Stove Repair Co..... 45
Dust, Wm. L. Stove Repairing Co 45
Great Western Stove Rep. Wks... 44
Morris, J. L..... 45
Union Stove Repair Co..... 44

**Stoves and Ranges.**

Beckwith, Estate of P. D..... 22
Castle, Wilmbt Co..... 21
Channon-Emery Stove Co..... 6
Cox, Abram Stove Co..... 4
Dauntless Mfg. Co..... 11
Detroit Htg. & Ltg. Co..... 11
Detroit Stove Works..... 17
Detroit Steel Range Co ..... 9
Enterprise Stove Co..... 15
Galusha Stove Co..... 10
Joliet Stove Works..... 7
M. & D. Range Co..... 9
May & Fiebeger..... 5
Pittsburgh Stove & Range Co..... 8
Portsmouth Stove & Range Co.... 10
Ringen Stove Co..... 3
Tinnerman Steel Range Co..... 17
White, Thos. Stove Co..... 5
Willard, Wm. G..... 15

**Stove Trucks.**

Stellwagen & Kynoch..... 14

**Stove Trimmings.**

Atlas Bolt & Screw Co..... 1
Columbus Bolt Wks..... 1
Fanner Mfg. Co..... 19

**Sweepers.**

National Sweeper Co..... 54

**Tacks.**

Tower Mfg. Co..... 55

**Tape Measures.**

Lufkin Rule Co..... 59

**Tinners' Tools and Supplies.**

Berger Bros. Co ..... 55
Bertsch & Co..... 55
Chicago House Wrecking Co.... 55
Dreis, Andrews & Krump..... 53
Lufkin Rule Co..... 59
Niagara Machine & Tool Works.. 59
Perkins, J. L..... 56
Stanley Rule & Level Co..... 51

**Tinplate.**

American Tin Plate Co..... 58
Burton, W. J. & Co..... 56
Canton Steel Roofing Co..... 57
Garry Iron & Steel Co..... 57
Illinois Roofing & Supply..... 59
La Crosse Steel Roof. & Cor. Co. 57
Merchant & Co..... 58
McClure & Co..... 58
Osborn, J. M. & L. A..... 60
Taylor, N. & G. Co..... 60

**Tinware.**

Cooney & Geiger..... 56
Enterprise Mfg. Co..... 51
National Enameling & Stamping Co..... 49

**Ventilators.**

Berger Mfg. Co..... 58
Berger Bros. Co..... 55
Burton, W. J. & Co..... 56
Garry Iron & Steel Roofing Co.... 57
Globe Ventilating Co..... 1
La Crosse Steel Roof. & Cor. Co.. 57

**Washer Cutters.**

Smith & Hemenway Co..... 51

**Washing Machines.**

Benbow-Brammer Mfg Co..... 47
Brammer, H. F. Mfg. Co..... 47
Clark, Quien & Morse..... 47
Randleman & Sons..... 47

**Water Heaters**

Smith, Chas. Co..... 14


## OLD GORDON GRAHAM'S BUSINESS PHILOSOPHY.

Baron Munchausen was the first traveling man, and my drummers' expense accounts still show his influence.

Adam invented all the different ways in which a young man can make a fool of himself, and the college yell at the end of them is just a frill that doesn't change essentials.

It's the fellow who thinks and acts for himself, and sells short when prices hit the high C and the house is standing on its hind legs yelling for more, that sits in the directors' meetings when he gets on toward forty.

Pay day is always a month off for the spendthrift, and he is never able to realize more than sixty cents on any dollar that comes to him. But a dollar is worth one hundred and six cents to a good business man, and he never spends the dollar.

If you gave some fellows a talent wrapped in a napkin to start with in business, they would swap the talent for a gold brick and lose the napkin; and there are others that you could start out with just a napkin who would set up with it in the dry goods business in a small way and then coax the other fellow's talent into it.

I always lay it down as a safe proposition that the fellow who has to break open the baby's bank for carfare toward the last of the week isn't going to be any Russell Sage when it comes to trading with the old man's money.—Ex.

## ACID PROOF CEMENT.

An acid proof cement will be found useful for repairing vessels of china and glass such as are used as receptacles for strong acids. Such a cement may be made by mixing two parts soluble silicate of soda (50 degs.), two parts pulverized asbestos, and one part of sulphate of barium. Allow the vessel to stand several hours before using.—Ex.

## LIQUID BRONZE.

It is stated that a German Chemist has succeeded in making liquid bronze free from mental. The process is described as follows—Ten parts of aniline red and 5 parts of aniline purple are dissolved, by means of a gentle heat, in 100 parts of alcohol. Five parts of benzoic acid are then added, and the mixture is boiled from five to ten minutes. The bronze is said to be especially adapted for bronzing wood or paper.—Ex.

# Trade Report.

## BRADSTREET'S ON IRON AND STEEL SITUATION.

The editor of Bradstreets telegraphs us this advance report on the iron and steel situation:

Demand for men and steel steadily grows, and premiums for quick delivery of finished products mount up. Much of the business usually offering has been merely postponed and great activity awaits the reopening mills. Pig iron is in better demand at nearly all markets, and foundry and forge iron are in larger demand, even at Pittsburg. Additional sales of rails for next year are reported and the business already booked in this and other lines assures activity throughout the winter. Jobbers' stocks of finished goods are badly broken. Chicago reports light hardware sales the largest on record, and the same products are active at Pittsburg. Implement and wagon men are again buying at the West.

## WIRE NAILS.

Wire nails are $2.45 in carload and $2.50 in small lots.

## CUT NAILS.

Cut nails are $2.25 in small lots.

## BARB WIRE.

Painted barb wire is $2.75 in carload and $2.85 in smaller lots. Galvanized is $3.05 in carload and $3.15 in smaller lots.

## LINSEED OIL.

Linseed oil has gone down 3c. City raw is 55c per gallon in lots of over 5 barrels, and 56c in lots of less than 5 barrels.

## REGISTERS.

Register manufacturers adopted a new list for registers, Sept. 1, 1901. Black japanned registers, white japanned registers, bronze finished, nickel plated and electro plated are 70 per cent off; white porcelain are 60 per cent off, and solid brass and bronze metal are 50 per cent off.

## COPPER.

There was a good demand and prices at 16⅝c to 16¾c for lake and 16⅜c to 16½c for electrolytic showed no change. In London best selected copper was quoted at £73 5s, as against £73 a week ago. The standard copper market was weak and final prices showed a decline of 3s 9d per ton for spot copper and futures.

## MERCHANT STEEL.

More contracts have been closed with the agricultural implement trade, and there is still a good demand. Specifications are freely placed on contracts closed some time ago. The tendency to withhold orders in the hope of getting lower prices has vanished, and manufacturers are now only too eager to cover. Our quotations follow: For mill shipments, Chicago delivery, smooth finished tire steel, 1.90c to 2c; open-hearth spring steel, 2.50c to 2.75c; toe calk, 2.40c to 2.60c; sleigh shoe, 1.85c to 1.90c; cutter shoe, 2.40c to 2.60c; ordinary tool steel, 6c to 7c; specials 13c and upwards. Cold rolled shafting, carload lots, 55 per cent and upwards.

## TIN.

There was a very active market. Quotations at the call on the New York Metal Exchange, Aug. 29, were as follows: Spot, 25c bid, 25⅞c asked; August, 25¼c bid, 25⅞c asked, 25½c settling price; October, 24.90c bid, 25½c asked, 25c settling price; November, 24.80c bid, 24.90c settling price; December, 24.62½c bid, 25¼c asked, 24¾c settling price. The market closed at 25¾c asked for spot tin.

## IRON AND STEEL.

The latest development in this market is the demand for pig iron for delivery into next year that is just beginning to make itself felt. There has been considerable iron sold for shipment early in the year and a number of inquiries are in the market for shipments of this kind. There has been a steady buying movement during the past week, taking in all grades of foundry iron as well as gray forge. A considerable amount of malleable iron has been purchased. For finished material there is a steady demand of good proportions and for the kinds that are rendered scarce by reason of the strike, such as sheet, bars, cotton ties and tin plate, there is a steadily increasing premium. Demand for all descriptions of old material continues active and prices are firm, with a disposition on the part of sellers to hold for still higher prices. Old steel rails are in good inquiry and sale is reported of about 500 tons heavy section tees, full lengths, suitable for re-rolling, at $18 per gross ton, delivered at mill, and 300 tons short and long lengths, mixed, at 16.75, same delivery. In old steel rails the only sale reported is 350 tons heavy section tees at $20.00 per gross ton, delivered at mill. There is a slight improvement in demand for No. 1 wrought scrap.

## PLATES.

A fairly good tonnage has been booked, and there is much business in sight. Though the strike has anticipated many orders there is no change in prices. Our quotations follow: Tank steel, base ¼ inch, 1.75c; flange steel, 1.90c to 2c; marine steel, 1.95c; fire box steel, ordinary, 2c to 2.10c; fire box, special, 2.25c and upwards. Tank steel from store, 1.90c to 2c; flange steel from store, 2c to 2.10c.

# Quotations.

## METALS.

### FIRST QUALITY BRIGHT PLATES.

| | | | Per Box. |
|---|---|---|---|
| 1C | 10x14 | | $8 75 |
| 1X | 10x14 | | 10 50 |
| 1C | 12x12 | | 8 75 |
| 1X | 12x12 | | 10 50 |
| 1C | 14x20 | | 8 75 |
| 1X | 14x20 | | 10 75 |
| 1XX | 14x20 | | 1[illegible] 75 |
| 1XXX | 14x20 | | 13 25 |
| 1XXXX | 14x20 | | 14 75 |
| 1C | 20x28 | | 17 00 |
| 1X | 20x28 | | 20 00 |
| 1XX | 20x28 | | 23 00 |

### COKE PLATES.

| | | | |
|---|---|---|---|
| Cokes, 180 lbs | IC | 20x28 | 11 20 |
| Cokes, 20[illegible] lbs | IC | 20x28 | 11 50 |
| Cokes, 216 lbs | IC | 20x28 | 11 80 |
| Cokes, 216 lbs | IX | 20x28 | 13 75 |

### PIG IRON.

| | |
|---|---|
| Lake Sup. Charcoal | $17 50@$18 00 |
| Local Coke Fdy No. 1 | 15 50@ 16 00 |
| Local Coke Fdy No. 2 | 15 00@ 15 50 |
| Local Coke Fdy No. 3 | 14 50@ 15 00 |
| Local Scotch Fdy No. 1 | 15 50@ 16 00 |
| Local Scotch Fdy No. 2 | 15 00@ 15 50 |
| Local Scotch Fdy No. 3 | 14 50@ 15 00 |
| Southern Coke No. 1 | 14 65@ 15 15 |
| Southern Coke No. 2 | 14 1[illegible] @ 14 65 |
| Southern Coke No. 3 | 14 15@ 14 65 |
| Southern Coke No. 4 | 13 90@ 14 15 |
| Southern No. 1 Soft | 15 40@ 15 55 |
| Southern No. 2 Soft | 14 90@ 15 15 |
| Southern Silveries | 15 45@ 15 50 |
| Jackson Co. Silveries | 17 0[illegible] @ 17 50 |
| Ohio Strong Softeners | 16 50@ 17 0[illegible] |
| Alabama Car Wheel | 21 00@ 22 00 |
| Malleable Bessemer | 16 00@ 17 00 |
| Coke Bessemer | 17 50@ 18 50 |

### BLACK SHEET STEEL.

| | |
|---|---|
| ¼ in 3-16 in. Nos. 8 and 10. per lb. | $3 80 |
| No. 12 per lb. | 3 85 |
| No. 14 per lb. | 3 90 |
| No. 16 and 18 per lb. | 3 95 |
| No. 20, 22, 24, 25 and 26 per lb. | 3 90 |
| No. 27 per lb | 4 00 |
| No. 28 per lb. | 4 18 |

### SMOOTH STEEL.

| | | per lb |
|---|---|---|
| Wood's Smooth Steel, | 15-17 | $4 00 |
| " " " | 18 | 4 10 |
| " " " | 20 | 4 20 |
| " " " | 22-24 | 4 30 |
| " " " | 25-26 | 4 40 |
| " " " | 27 | 4 50 |
| " " " | 28 | 4 60 |

### PATENT PLANISHED SHEET STEEL.

Patent Planished Sheet Steel, "A" $10 20, "B" $9 20

### GALVANIZED IRON.

Galvanized Iron ..... 65%

### SOLDER.

Extra ..... 20½c

Commercial ..... 19½c

### SHEET ZINC.

600 lb. Casks, base ..... 7¼c per lb.

### COPPER.

Copper ..... base, 21c

### TIN PIGS AND BARS.

| | |
|---|---|
| Banca, pigs, per lb. | 2[illegible] ¼@28½c |
| Straits, pigs, per lb. | 28 @28¼c |
| Straits in bars, per lb. | 2[illegible]¼@29 c |

### LEAD.

| | |
|---|---|
| merican Pig | 4.60@4 62½c |
| A | 5¼@5 ¼ |

## HARDWARE.

## QUOTATIONS.

**(The quotations given below represent the current hardware prices. They are not given as manufacturer's prices, and manufacturers should not be held responsible for them. Manufacturers sometimes name higher figures than those quoted for goods; they are not always selling at the price quoted, but goods are being sold at the figures printed below by manufacturers and jobbers.)**

### ADZES—CARPENTERS'.

| | |
|---|---|
| Hunt's | 25% |
| White's | 12½% |
| Coopers'—Barton's | 12½% |
| White's | 12½% |
| Ship—Barton's | 12½% |
| White's | 15% |
| Hunt's | 25% |

### AGATE NICKEL STEEL WARE.

Agate Nickel Steel Ware .... 33⅓&10%

### AMMUNITION

#### CAPS, PERCUSSION—per 1000—

| | |
|---|---|
| F L Waterproof, 1-10s | 50c |
| G D | 40c |
| Eley's | 52c |

#### CARTRIDGES.

| | |
|---|---|
| Peters Rim Fire Ctgs | 50&3% |
| Peters Cent Fire, Pistol & Rifle | 25&3% |
| Peters Cent Fire, Military and Sporting Ctgs. | 15&5% |
| Peters Blank Ctgs, except 22 and 32, an additional 10% from above discount. | |
| Peters Blank Ctgs. 22 cal | 10&10% |
| Peters Blank Ctgs. 32 cal | 10&10% |
| Peters B B Caps, Round ball | $1 18 |
| Peters B B Caps. Conical ball | $1 90 |
| U M. C. Rim Fire Ctgs | 50&3% |
| U.M.C. Cent. Fire, Pistol & Rifle | 25&3% |
| Winchester Cent. Fire, Military and Sporting Ctgs | 15&5% |
| U M C. Blank Ctgs. 22 & 32 cal | 10% |
| U. M. C. Blank Ctgs. 38 cal | 50-10-10% |
| U. M. C. B B Caps, Round Ball | $1 75 25&10% |
| U .MC, B B Caps, Con. Ball. $2 00 net | |
| U M. C. Rim Fire Shot Ctgs | 50&15&3% |
| U. M. C. Cent. " " " | 25&10&3% |

#### PRIMERS.

| | |
|---|---|
| Berdan Primers | $1 00 |
| Peters Primers | 1 10 |
| U. M. C. Primers | 1 08 |
| Winchester Primers | 1 08 |

#### SHELLS.

| | |
|---|---|
| Peters Empty Paper Shells, 10 and 12 gauge. League | 25&5% |
| Peters Empty Paper Shells, 16 gauge. League | 20&5% |
| Peters New Victor Nitro shells | 15% |
| Ideal | 33⅓&10% |
| Peters Loaded Shells. League and Semi Smokeless | 40&5% |
| Peters New Victor Loaded Shells, with King's Smokeless | 40&10&10% |
| Ideals Loaded with Kings Smokeless | 40&10&10&5% |
| U. M. C, New Club, 16 guage | 20&10% |
| U. M. C. New Club 10 & 12 gauge | 33⅓&5% |
| U. M. C. New Club | 33⅓&5% |
| U. M. C. Nitro | 18% |
| U M C. High Base | 18% |
| U. M. C. Trap | 33⅓&10&7% |
| Winchester Blue Rivals / Winchester Yellow Rivals | 20% |
| Winchester Repeater | 18% |
| Winchester Leader | 33⅓&10&7% |
| U. M. C. Loaded Shells. Black Powder / Winchester Loaded Shells, Black Powder | 40&5% |
| U. M. C. / Winchester — Smokeless | 40&10&10&5% |

#### GUN WADS—per 1000.

| | |
|---|---|
| Peters Gun Wads | 20&5% |
| U. M. C. Gun Wads | 20&5% |

#### POWDER.

King's Quickshot Powder; Kegs $4 00; ½ kegs $2 25; ¼ kegs $1 25.

| | |
|---|---|
| King's Semi-Smokeless | 20&5% |
| King's Smokeless | 25, 20 & 10 |
| Austin Quickshot Powder, Kegs $4 00; ½ kegs $2 25; ¼ kegs $1 25. | |
| Dupont Smokeless, Sporting | 25, 20 & 10c. |

#### SHOT.

| | |
|---|---|
| Drop shot, sizes smaller than B, 25 lb bags, per bag | $1 35 |
| Drop shot, B and larger sizes, 25-lb bags, per bag | 1 60 |
| Buck Shot, 25-lb bags, per bag | 1 60 |
| Chilled Shot, 25-lb bags, per bag | 1 60 |

### ANVILS.

| | |
|---|---|
| Hay-Budden, 70 to 84 lbs | 10c per lb |
| Hay-Budden, 85 to 150 lbs | 9c per lb |

### AUGERS AND BITS.

| | |
|---|---|
| Snell's Boring Mach. Augers | 60&10&5% |
| Snell's Car Bits, 12-inch twist | 40% |
| Jennings' Pattern Auger Bits | 50&10% |
| Russell Jennings' Augers and Bits | 25&10% |
| Ship Augers, L'Hommedieu Bits | 15% |
| Irwin | 50% |
| Climax Bits | 60&10% |

### AWLS.

| | |
|---|---|
| Brad, handled | per doz. $ 35 |
| Brad, shouldered, assorted 1 to 4 | per gr. 2 00 |
| Brad, shouldered, assorted 1 to 6 | per gr. 2 50 |
| Peg, Pat | per gr. 60 |
| Peg, shouldered | per gr. 1 00 |
| No. 1, Scratch, handled | per gr. 4 80 |
| No. 5, Scratch, socket | per doz. 6 00 |

### AXES.

| | | |
|---|---|---|
| Lippincott | per doz | 6 50 |
| Mann | " | 6 50 |
| Second quality | " | 6 00 |
| Beveled axes, add | " | 50 |
| Broad— | | |
| Peerless can patt | " | 28 50 |
| Hunt's | " | 30 |
| White's | " | 12% |
| Hand— | | |
| Hunt's | " | 40 |
| White's | " | 12% |
| Ship— | | |
| White's | " | 12% |

### AXLES.

| | |
|---|---|
| Common iron, long arm, sq. bed | 5¼ |
| Concord iron, long arm, sq. bed | 6¼ |
| Concord express, long arm, steel, square bed | 6¼ |
| Coach shape on above, ex. per. lb. | ⅛ |
| Short arms on above, extra per lb. | 2 |
| Welded axles on above, ex. per. lb | 1½ |
| Half Patent, steel. Nos. 7 to 14 | 70 |
| Half Patent steel, Nos. 19 to 22 | 70 |
| Extra, coach shape, 1¼ & smaller | per set 15 |
| Extra, coach shape, 1¼ 1½, per. set | 30 |
| Extra, coach shape, 1'g'r, per. set | $1 00 |
| National Wrought Steel Tubular, Self Oiling— | |
| Standard Farm (1 to 5) and Special Farm (A1 to A5) less than ten sets | 20% |
| Over ten sets | 25 |

### BEAMS—SCALE.

| | |
|---|---|
| Scale Beams, List Jan. 12, 82 | 35% |
| Fray's | 40% |
| P. S. & W. | 30% |

### BELLOWS.

| | |
|---|---|
| Blacksmiths | 70% |
| Hand, 6½ in | per doz. $4 50 |
| Molders', 10 in | per doz. 9 00 |

### BELLS.

#### COW.

| | |
|---|---|
| Ordinary Goods | 70&10% |
| High Grade | 60&10% |
| Jersey | 75&10% |
| Texas Star | 50&10% |

#### DOOR.

| | |
|---|---|
| Abbe's Gong | 45% |
| Barton Gong | 55% |
| Home, R. & E. Mfg. Co.'s | 55&10% |
| Lever and Pull, Sargent's | 20&10&10% |

#### HAND.

| | |
|---|---|
| Hand Bells, Polished | 60@60&10% |
| White Metal | 55@55&10% |
| Nickel Plated | 50@50&10% |
| Swiss | 60% |
| Silver Chime | 33⅓@33⅓&10% |

#### MISCELLANEOUS.

| | |
|---|---|
| Farm Bells | lb. 2¼ to 2½c |
| Steel Alloy, Church and School | 50&10&5@60% |
| Wilmot & Hobbs Mfg. Co., Gongs | 70% |

### BIT STOCK DRILLS.

Standard List ..... 60@60&5%

### BLOCKS.

| | |
|---|---|
| Common Wooden | 70% |
| Eddy Steel Tackle Blocks | 60⅓&5% |

### BOLTS.

#### CARRIAGE, MACHINE, ETC.

| | |
|---|---|
| Common, list Jan. 30, 95 | 65% |
| Norway Iron, $3.00, list Oct. 7, '84 | 75&10% |
| Bolt Ends, list Jan. 30, '95 | 50 10% |
| Machine, list Sept. 20, '99 | 65&10% |

#### DOOR AND SHUTTER.

| | |
|---|---|
| Ives' Patent Door | 60% |
| Wrought Barrel, Standard list. | 7 &10% |
| Wrought Flush | 40&10% |
| Wrought Square, Standard list | 65% |

#### STOVE AND PLOW.

| | |
|---|---|
| Plow | 40&10% |
| Stove, list December 28, 1899 | 70to70&10% |

#### TIRE

| | |
|---|---|
| Common, list Dec. 28, '99 | 70% |
| Eagle Philadelphia | 72½% |
| Norway | 75% |

### BORING MACHINES.

Jenning upright without Augers .. $2 00

### BOXWOOD RULES.

| | | |
|---|---|---|
| No. 4 | $11 00 | per doz |
| " 12 | 16 00 | " |
| " 18 | 6 00 | " |
| " 26 | 11 00 | " |
| " 27 | 13 00 | " |
| " 29 | 4 50 | " |
| " 66 | 10 00 | " |
| " 66½ | 10 00 | " |
| " 67 | 6 00 | " |
| Boxwood | 80&10% | |
| Ivory | 40&10% | |
| Lufkin's Steel | 50&10% | |

### BRACES.

| | |
|---|---|
| Barber's | 50&19% |
| Common Ball, American | $1 50 |
| Fray's Genuine Spofford's | 60% |
| Fray's No. 307 to 322 | 40&5% |
| Fray's No. 508 to 522 | 50% |

### BRACKETS.

| | |
|---|---|
| Cast Iron Plain | 50&10% |
| Wrought Steel | 70&10 @ 75% |
| Bradley's | 75 @ 75&10% |

### BROILERS.

Wire Goods Co ..... 75%

### BUTTS.

| | |
|---|---|
| Bright Butts, Nos. 800, 802, 804, 806, 808, 810, 814, 816, 818, 820, 854 | 70% |
| Bright Butts, Nos. 826, 828, 829, 830, 832, 834, 836, 838, 840, 842, 843, 844, 845, 846, 848 | 70% |
| Bright Butts, Nos. 822, 822½, 823, 823½ | 70% |
| Japanned Butts, Nos. 700, 701, 702, 703 704 705 706, 707 708, 709, 710, 711, 726, 727, 728, 729, 730, 731 | 70% |

### CAGES—BIRD.

| | |
|---|---|
| Enameled | 40% |
| Brass 1200 series | 33⅓% |

### CASTERS.

| | |
|---|---|
| Bed | 60&10&5% |
| Plate Casters | 60&10&5% |
| Martin's Patent (Phoenix) | 50&5% |

### CHAIN.

American Coil, Cask lots:

| | | | | | | |
|---|---|---|---|---|---|---|
| 3-16 | ¼ | 5-16 | ⅜ | 7-16 | ½ | 9-16 |
| 7.45 | 5.55 | 4.35 | 3.70 | 3.55 | 3.45 | 3.40 |
| ⅝ | ¾ | ⅞ | to 1 | 1⅛ | to 1¼ | inch |
| 3.40 | 3.35 | 3.35c. | per lb. | 3.60 | per 100 | lbs |

Less than Cask lots add 25c.

| | |
|---|---|
| German Coil, list July 24, '97 | 60&10&10% |
| German Halter Chain, list July 24, '97 | 60&10&10% |

| | |
|---|---|
| Traces, Western Standard: | 100 pair |
| 6½—6-3, Straight, with ring | $26.00 |
| 6½—6 2, Straight, with ring | 27 00 |
| 6½—8-3 Straight, with ring | 31 00 |
| 6½—10-2, Straight, with ring | 34.50 |

Add 2c per pair for Hooks.
Twist Traces 2c. per pair higher than Straight Link.

| | |
|---|---|
| Trace, Wagonand Fancy Chains Eastern list | 60@60&5% |
| Jack Chain, lis July 10 '98 | |
| Iron | 60@60&10 |
| Brass | 60@60&10 |

Safety Chain.....70@70&10%
Gal. Pump Chain.....lb. 4½@4¾c
Covert Sad. Works:
Breast, Hitching and Rein Chains.....50%
Covert Mfg. Co.:
Breast.....35&2%
Halter.....35&2%
Heel.....35&2%
Rein.....35&2%
Stallion.....35&2%
Oneida Community:
Eureka Coil and Halter...60@60&5%
Niagara Coil and Halters 60@60&5%
Niagara Cow Ties..45&5@45&10&5%
Am. Coil and Halters..50&10&5@60%
Am. Cow Ties.....35&5@40&5%
Wire Goods Co.:
Dog Chain.....60&10%
Universal Dbl-Jointed Chain....50%

### CHALK.

Blue.....per gross 60c
Red..... " 50c
White..... " 45c

### CHALK LINES.

Chalk lines.....per doz. $2 50

### CHISELS.

Mix..... } 70&5 to 70&10%
Witherby..... }

### CHISELS.

Box.....20%
Tinners.....40%
Cold, per lb.. regular qual.....20%
Cold, per lb., special qual.....32%
Corner.....66⅔%
Firmer, American..... 20, 10&10%
Barton's.....20%
Butcher's.....40&10%
Mortice, Butcher's.....40&10%
Socket, Firmer.....70%
Framing.....70%
Turning, Barton's.....20%
Butcher's.....50%
Beveled.....20%

### CLAMPS.

No. 25 Adjustable.....50&10 to 60%
Carriage Makers.....50&10&5%

### CLEANERS.

Pot.....per doz $1 10

### CLEAVERS.

Beatty's.....dis 40
White's..... " 15

### CLIPPERS.

E. H. Hotchkiss Horse Clippers
No. 10.....per doz $18 00
No. 20..... " 15 60
No. 22..... " 13 80
No 20..... " 13 20
No. 8..... " 10 80
H. Hotchkiss Toilet Clippers
No. 1.....per doz 9 60
No. 101..... " 10 80
No. 201..... " 10 80
No. 300..... " 13 20
No. 500..... " 15 00

### COFFEE MILLS.

Enter. Mfg. Co., list Jan. 17, '93....25%
Parker's.....50&10%
Arcade..... 60&10%

### CORKSCREWS.

Howes..... 25 & 22%
Humason & Beckley..... 40 & 10%
Empire..... 40%
Walker's..... net
Williamson's Regular..... 40%
Williamson's Forged Worm 40%

### DOG COLLARS.

Pope & Stevens' List:
Brass (full Assortment).....net price

### DOOR CHECKS.

Blount.....30%
Eclipse.....30%
Corbin.....30%

### DRILLS AND DRILL STOCK.

Common Blacksmith's ..... $1 50@$1 60
Bench Drills, Stearns' .....5 50& 6 00
Blacksmith's Self-feeding, each, ..... $5 00&$7 00
Breast, Millers Falls, each .$3 00 20%
Godell Automatic Drills, $12 00to$15 00

### EGG BEATERS.

Standard Co.:
No. 5 Steel Handle Dover per gr ss.....$ 6 50
No. 10 Cast Handle Dover pr gr 8 00
No. 10 Steel H'ndle Dov'r pr gr 8 00
No. 15 Extra Heavy Steel Handle per gr..... 15 00
Rival per gr..... 10 00
Taplin Mfg Co.:
No. 50 Small Family size pr gr 6 50
No 100 Regular Fam size pr gr 8 00
No. 102 Regular Family size tinned pr gr..... 9 50
No. 150 Large Fam size pr gr.. 15 00
No. 152 Large Family size tinned pr gr..... 17 00
Lyon's Standard size per doz.. 1 75
Wonder (S. S. & Co.) per gr.... 7 50

### ENAMELED WARE.

Peerless (L. & G. Mfg. Co.).....Net
Royal (N. E. & S. Co.).....Net

### FASTENERS, BLIND.

Zimmerman's.....50&10%

### FAUCETS.

Standard Metal Key.....25%
B. & L. B. Co.
Redlich's Wood Faucets.
Red Cedar..... } Net Prices.
Oak..... }
Cherry..... }
Cork Lined..... }
Metal Key..... }
Self Measuring:
Enterprise, per doz. $36 00.....40%
Cork Lined..... 70&5@70&10&5%
Metallic Key, Leather Lined .....70@70&10%
Red Cedar.....50@50&5%
B. & L. B. Co.:
West's Lock, Open and Shut Key..... 50&10%
John Sommer's Peerless Tin Key..40%
" " Boss Tin Key.....50%
" " Victor Metal Key 50&10%
" " Duplex Metal Key...60%
" " Diamond Lock..... 40%
" " I X L Cork Lined .. 50%
" " Reliable " " ..50&10%
" " Common " " .....70%
" " Chicago " " .....60%
" " O K " " .....50%
" " Perfection Cedar.....40%
Star.....60@60&5%
Star Metal Plug new list... 40@40&5%
Lockport, Metal Plug, reduced list.....60&5%
McKenna, Brass:
Burglar Proof, N. P.....35%
Improved, ¾ and ⅞ inch.....35%
Self Measuring:
Enterprise, per doz $36.00.....40%
Lane's, per doz. $36.00 .....40&10%
National Measuring, per doz $36.00.....40%

### FILES—Domestic.

New List, Nov. 1, '99:
Black Diamond.....70&10%
Disston's.....75& 5%

### Imported.

Stubs list.....5%

### FORKS AND HOES.

Coke and Cottonseed Forks....40&5%
Coal Forks.....40&5%
Barn or Ice Forks.....40&5%
Beet Forks.....30&10
Ballast or Stone Forks.....40&5%
Tanners' Forks.....40&5%
Shaving Forks.....40&5%
Potato Scoop Forks.....40%
Oyster Forks.....40&5%
Sluice Forks.....40&5%
Heavy Mill, Manure or Street Forks.....70%
Steel Tar or Asphalt Rakes.....65%
Asphalt Hoes.....65%
Two Tine Hay Forks, Std. Size...65%
3 Tine Hay Forks, Std. Size..60&16⅔%
Four Tine Hay Fork, Std. Size 66⅔%
Socket Four Tine Hay Forks..66⅔&5%
Socket Four Tine Manure Forks .70%
Socket Four Tine Spading Forks .....70&5&5&2½%
Three Tine Hay Header and Baler Forks.....67½&2½%
Four Tine Hay Header and Baler Forks.....66⅔%
Grain or Barley Forks.....70&6%
Four Tine Manure Forks.....70%
Five & Six Tine Manure Forks.....70%
Spading Forks.....70&2½%
Potato Digging Forks.....65%
Stone Picking Forks.....65%
Garden Hoes.....75%
Meadow and R. I. Hoes...75&5&2½%
Sunbeam Meadow Hoes....75&5&½%
Mortar and Street Hoes.....75&2%
Planter Hoes, Regular Pattern 70&30%
Tobacco Hoes.....75&20%
Cotton Hoes.....70&10&10&5&2%
Rough Fin. Shank Cot. Hoes 75&12½%
Cotton Chopper Hoes....75&10&7½%
Ladies' Cotton Hoes.....75&10&7½%
Malleable Rakes.....70@70&10%
Toy Ladies' and Boys' Hoes.....70&10to70&10&5%
Weeding Hoes and Rakes...70@70&5%
Potato Hooks.....65to65&10%
Hop Hooks.....60&10&2½%
Steel Garden Rakes..... 70&2%
Steel Garden Rakes Stamped blank 70%
Turf Edgers.....60&5%
Steel Road Rakes..... 65%
Special Mortar Hoes.....40&10&2½%
Harpers' No. 7 Mortar Hoes ... 65%
Truck Hoes.....50&10&2%
Hoes..... 65%
Special Hoes.....75&10&2%
Hoe Down Hooks.....75&10&2%
Warren Hoes.....50&10&7½%
Laid Steel Edge Hoes.....25, 5&2%

### GAUGES.

Marking, Mortise, etc.....60%
Stanley R. & L. Co.'s Butt & Rabbet Gauge.....Net
S. & H. Cos.....75%

### GIMLETS.

Gimlets.....60%

### GLASS CUTTERS

Woodward.....33⅓&10%
Red Devil.....33⅓&10%

### GLUE POTS.

Tinned.....30%
Enameled.....35%

### GLUE.

Martin's Liquid, List....33⅓% off List
Martin's Liquid, List....33⅓% off List
Martin's Liquid, List....33⅓% off List

### GREASE, AXLE.

Fraser's.....Net
Baum's Castorine.....Net

### GRINDSTONE FIXTURES.

Stowell's..... Net
Reading Hardware Co.....Net

### HAMMERS.

"Artisan's Choice" A. E. Nail.40&10%
Engineer's and B. S. Hand.....60%
Machinist's Hammers.....60%
Bell Face, A. E. Nail..... .....50
S. & H. Cos. No. 20 ....per gross. 5 25

### HANDLES—IRON, WROUGHT OR CAST—DOOR OR THUMB.

No. 0.....per doz $0 90 } Dis.
No. 1..... " 1 00 }
No. 2..... " 1 18 }
No 3..... " 1 35 }
No. 4..... " 1 50 }
Bronze iron drop lat., per doz net $1 10
Japanned store door.....net 1 10
Barn door No. 5..... " 1 35
Chest and lift.....dis 50
Wood—
Saw and plane..... " 45
Hammer, hatchet, axe, etc.... " 45
Brad awl.....per gro. 45
Hickory firmer chisel..... } ..25
Apple firmer chisel..... }
Socket firmer chisel..... }
Socket framing chisel..... }
File.....per gro. $2 80
Auger, assorted..... 5 00
Hoe, rake, shovel, etc..... 50
Cross Cut Saw—
Atkins' No. 1.....per pair 28
" No. 3..... " 18
" No. 6..... " 12
Triumph..... " 12
Common loop..... " 10

### HANGERS.

Chicago Spring Butt Co.:
Friction.....25%
Oscillating.....25%
Big Twin.....25%
Cronk Hanger Co.:
Loose Axle.....60%
Roller Bearing.....60&10%
Lane Bros:
Parlor, Ball Bearing.....$4 00
Parlor, Standard..... 3.25
Parlor, New Model..... 2.75
Parlor, New Champion..... 2 40
Barn Door, Standard.....60&10%
Covered.....50&10&10&5%
Special.....60&10%
Lawrence Bros.:
Advance.....60%
Cleveland.....60&10%
Crown.....60%
New York.....60%
Peerless.....60&10%
Sterling.....60%
McKinney Mfg. Co.:
No 2, Standard, $18.....60&10%
No. 1, Special, $13.....60&10%
Stowell Mfg. and Foundry Co.:
Acme Parlor Ball Bearing.....40%
Atlas.....50&10%
Badger Barn Door.....50%
Baggage Car Door.....50%
Climax Anti-Friction.....50%
Elevator.....40%
Express.....50%
Interstate.....50&10%
Lundy Parlor Door.....50%
Matchless.....50&10%
Nansen.....60&10%
Stowell Parlor Door.....50%
Railroad.....50%
Street Car Door.....50%
Steel, Nos. 300, 404, 500.....40&15%
Wild West.....50%
Zenith for Wood Track.....50%
Taylor & Boggis Foundry Co:
Kidder's.....50@50&10%
Wilcox Mfg Co:
Bike Roller Bearing.....60&10%
C. J. Roller Bearing.....60&10%
Cycle Ball Bearing.....50%
Dwarf Ball Bearing.....40%
Ives, Wood Track.....60&10%
L. T Roller Bearing.....60&10&5%
New Era Roller Bearing.....50&10%
O. K. Roller Bearing.....60&10&5%
Prindle, Wood Track.....60%
Richards' Wood Track.....60%
Richards' Steel Track.....50&10%
Spencer Roller Bearing.....60&10%
Tandems, Nos. 1 and 2.....60%
Underwriters' Roller Bearing....40%
Wilcox Auditorium Ball Bearing 20%
Wilcox Barn Trolley No. 123....40%
Wilcox Fire Trolley, Roller Bearing.....80%
Wilcox Le Roy Noiseless Ball Bearing.....40%
Wilcox New Century...50&10&10%
Wilcox Trolley Ball Bearing.....40%

### HATCHETS.

American Axe and Tool Co..... } 40&10%to40&10 &5%
Blood's..... }
Hunt's..... }
Hurd's..... }
Mann's..... }
Underhill's..... }
C. Hammond & Son.. }
Fayette R. Plumb.... }

### HAY AND STRAW KNIVES.

Lightning.....$6 50&$7 00

### HINGES.

BLIND AND SHUTTER.

Surface Gravity Locking Blind: (Victor; National; 1868 O.P.; Niagara; Clark's O. P.; Clark's Tip; Buffalo.)
No.....1 3 5
Doz pair.....$0.75 1.45 2.90
Mortise Shutter:
(L. & P., O. S., Dixie &c.)
No.....1 1½ 2 2½
Doz. pair ....$0.60 55 52 45
Mortise Reversible Shutter, (Buffalo, &c.)
No.....1 1½ 2
Doz. pair.....$0.65 .60 .55
Parker.....70@5%
North's Automatic Blind Fixtures, No 2, for Wood $9.00; No. 3, for Brick $11.50 ..... 10%
Reading's Gravity.....75&10%
Sargent's, No. 1, 3, 5.....66⅔&10%
Sargent's Nos. 11 & 13.....70&10%
Wrightsvile H'dware Co.:
O. S., Lull & Porter.....80&2½%
Acme, Lull & Porter.....75&10%
Queen City Reversible.....75&10%
Stenger's Positive Locking, Nos 1 & 3.....70&10&5%
Shepard's Noiseless, Nos. 60. 65. 55 76&10%
Niagara, Gravity Locking, Nos 1, 3 & 5.....75&7½%
1868, Old Pat'n Nos. 1, 3 & 5 75&7½%
Tip Pat'n. Nos 1, 3 & 5.....75&7½%
Buff, Gravity Lock., 1, 3, 5..75&7½%
Shepard's Double Locking, Nos. 20 & 25.....70&10%
Champion Gravity Locking, No 75 75&7½%
Steamboat Gravity Locking, No 10 5&7½%
Pioneer, Nos 060, 45 & 5½..75&7½%
Empire, Nos 101 & 103 .....70&7½%
W. H Co's Mortise Gravity Locking No 2.....60&10%
Stanley's Steel Gravity Blind Hinges, per doz. sets $1.30.....30&10%

GATE.

Clark's or Shepard's—Doz sets:
No.....1 2
Hinges with Latches $1.90 2.50

Hinges only..... 1.80 1.90 2.90
Latches only..... 65 95 95
New England:
With Latch.....doz....@$1.55
Without Latch.....doz....@$1.25
Reversible Self-Closing:
With Latch.....doz....@$1.80
Without Latch.....doz ...@$1.45
Western:
With Latch.....doz $1.40@1 75
Without Latch.....doz. $0 95@1.30
Wrightsville H'dware Co.:
Shepard's or Clark's Nos. 1 & 2.... 65&2½%
Shepard's or Clark's, No. 3....55&5%

SPRING

Hold'back, Cast Iron, gros. $8.00@8.25
Non-Holdback, Cast Iron.... ... gro. $6.75@7.25
Extra 10% often given on most of these hinges.
J. Bardsley:
Bardsley's Patent Checking .....15%
Bommer Bros.:
Bommer Spring Hinges .. .....40%
Bommer Ball Bear. Floor Hinges.40%
Chicago Spring Butt Co.:
Chicago ..... .....20%
Floor Hinge.....40%
Garden City Engine House.....20%
Keene's Saloon Door .....20%
Triple End.....40c
Hoffman Hinge & Foundry Co.:
No. 70 & 80 Holdback Detachable $8.50
Lawson Mfg. Co.:
Matchless.....30%
Matches Pivot.....35%
Payson Mfg. Co.:
Oblique.....50&10%
Stover Mfg. Co.:
Ideal, No. 16, Detachable, per gr. $12.50
Ideal, No. 4 .....per gr. $9 00
New Idea No 1.....per gr. $9 00
New Idea, Double Acting.....45%

WROUGHT IRON

Strapand T Hinges, list Mar. 15, 1901:
Light Strap Hinges.....75%
Heavy Strap Hinges.....80%
Light T Hinges.....70%
Heavy T Hinges.....66⅔%
Extra Heavy Hinges.....75&10%
Hinge Hasps..... .....60%
Cor, Heavy Strap.....80%
Cor. Ex. Heavy T.....75&10%
Screw Hook and Strap:
6 to 12 in.....lb. 3¼c
14 to 20 in.....lb 3¼c
22 to 36 in.....lb. 3 c
Screw Hook and Eye:
¾ to 1 inch.....lb. 5c
⅝-inch.....lb. 6c
½-inch.....lb. 7c

MISCELLANEOUS—

Hoffman's Steel Spring Butt Hinges 40&10%
Hoffman's Offset Refrigerator Hinges 40&10%

## HOLLOWWARE.

Stove Hollowware Ground.....50%
Maslin Kettles.....70&10%

## HOOKS.

Picture, No. 299 ..... .....&28c

BUSH HOOK.

No 1, Underhill .....$9 00
Bird cage .....40%
Clothes line .....60&10&10%
Grapling.....50%
Ceiling.....60&5%
Coat and Hat .....60&5%
Harness .....60&10&10%

WROUGHT IRON.

Cotton, V. & B.....25%
Tassel and picture.....50%
Wire, Coat and Hat, Gem.....net
Indestructible.....45%
Brass .....net $2 0 %
Hooks and eyes, bright wire....8 &10%
Brass.....60&10&5
Fish hooks, American.....50%

## HOSE—RUBBER.

Competition.....dis 70&10%
Standard .....70%
Extra ..... 60%
N. Y. Rubber Co.'s st'd.....50&10%
Banner.....60%
Extra..... 50%

## IRONS—SAD AND POLISHING.

Mrs. Potts' No. 50.....70c
Mrs. Potts' No. 55.....70c
Mrs. Potts' No. 60.....90c
Mrs. Potts' No. 65..... 85c

## KNIVES.

Standard List.....70&5%
Adjustable Handle..... 25@33⅓%
Watrous.....30&10@40%
Cantelo's Folding.....25%
Improved Crown.....50%

## KNOBS.

Base, 2½in. Birch Rubber tip ⅌ gro.....$1 40
Door, Mineral.....⅌ doz. 65c
Door, Por. Jap'd.....⅌ doz. 75c

## LADLES.

Reading.....Net
Sargent's.....Net

## LANTERNS TUBULAR.

No. 0 Berger's "Bail Lift," per doz. $9 50.....40&10%
No. 0, Berger's "Bail Lift," Galvanized, per doz. $10 50...40&10%
No. 2 Berger's "Bail Lift," per doz. $13 00.. .....40&10%
No. 2 Berger's "Cold Blast," per doz $16 00.....40&10%
No. 0 Berger's Dash Board, Japaned. Plain Globe, per doz. $13 00.....40&10%
No. 0, Berger's Dash Board, Japanned, Bull's Eye, per doz. $13 50 ..... .....40&10%
No 2. Berger's Dash Board, Japanned, Plain Globe, per doz. $17 00 .....40&10%
No. 2, Berger's Dash Board, Japanned, Bull's Eye, per doz. $17 50.....40&10%

BULL'S EYE POLICE.

2¾-in. flash light, per doz. $3 50@$3 75
3-in. flash light, per doz. ..4 00@ 4 25
4¾-in. regular, per doz.....3 50
3-in. regular, per doz.....3 57

## LEMON SQUEEZERS.

Wood, Common, per gr., No. 0 $5 00; No. 1 $6 50; No. 2 $10 00.

Wood, Porcelain lined, No. 1.....per doz $3 00@$3 50
Tinned Iron.....per doz. 1 25
Iron, Porcelain Lined, per doz.....3 25@ 3 50
Jenning's Star...per doz. 1 85@ 1 90
King.....per doz.

## LOCKS.

Plate .....33⅓%
Slaymaker-Barry Co.....30&35%
Sargent & Co.....40, 40& 0%
Yale flat key.....net
L. & C, round key.....30&10%
Reading Harding Co.....40%
L. & C. flat key latches .....33&10%
Stearns' sliding door....net $15 00

CABINET.

Eagle.....33⅓%
Yale.....33⅓%
Eagle and Corbin trunk.....25%

PADLOCKS.

Wilcock's..... 70%
M. W. & Co..... 70%
Russell & Irwin ..... 70%
Slaymaker Barry Co..... 40%
Bohannon's brass..... 90%
Yale.....net
Eagle ..... 33⅓%
Eureka, Eagle Lock Co ..... 40%
Corbin.....33⅓&10%

## MALLETS.

Fiber Head Sterns.....30&10%
Hickory..... .....40%
Lignumvitæ .....40&40&10%
Tinners', Hickory and Applewood, per doz. .....75c@$1 50

## MATTOCKS.

Regular list.....70%

## MOWERS, LAWN.

Cheap.....all sizes, $2 00@$2 10
Good.....all sizes, $2 50@$2 75

| | 10 | 12 | 14 | 16-in |
|---|---|---|---|---|
| High Grade.... | 4.25 | 4.50 | 4.75 | 5.00 |

Pennsylvania and Continental ..... Net price
Genuine Philadelphia Mowers:
Styles M. S., C., K., T..... 70&10%
Style A, (all steel).....60&10%
Style E, Low Wheel.....60&10%
Style E., High Wheel.....70&10&5%
Drexel, low list.....60%
Gold Coins, low list.....60%
Dewey's.....Net prices
All Day .....Net prices

## NAIL PULLERS.

Giant, No. 1..... per doz., $13 00 40%
" No. 1½.... " 16 00. 40%
" No. 2..... 15 00. 40%
Ajax.....Net prices.
Diamond B.....per doz., $ 9 00
Pipe.....per doz., 12 00
Eureka.....per doz., 10 00

## NAIL SETS.

Octagon..... per gross, $8 00@$9 00
Round..... per gross, 8 00@ 9 00
Cannon's Diamond Point, per gross .....$9 00 Net

## NUT CRACKERS.

Sargent's No. 12.....$1 50

## OILERS.

Tin or Steel.....50%
Zinc..... 50&10&5 to 60%
Malleable Hammers .....35%
Malleable Hammers, old pat., same list .....Net

## PADLOCKS.

Sargent Dog Collar .....70%
Sargent Wrought Steel and Brass..80%

## PINCHERS.

Carpenters', wrt. iron, pol. steel jaws..... 25
Blacksmiths'..... 40
P. S. & W..... 25

## PIPE.

WROUGHT.

List February, 1898.

1¼ and under, plain.....50&2½
1½ and under, gal.....50&2½
1¼ and over, plain..... 50&2½
1½ and over, gal..... 50&2½
Boiler tubes..... 50&2½

## PLANES.

Stanley Planes, No. 100.....$.30 each
" " No. 180..... .25 each

## PLIERS AND NIPPERS.

Swedish Side Cutting Pliers .....40%
" End " " .....40%
" Diagonal " " .....40%
Halls Compound Nippers.....40%
U. D. F. & T. Co., all kinds.....Net

## PLUMBS AND LEVELS.

Common.....75 to 75&5%
Disston's.....60%

## POACHERS.

Buffalo Steam Egg No. 1, per doz. .....$7 20. 50%

## POLISH.

POLISH—METAL.

U. S. Metal Polish Paste, 3 oz. boxes, per dozen, 50c; per gr. $4.50; ½lb boxes, per doz. $1.25; 1 lb boxes, per doz.....$ 2 25
U. S. Liquid, 8 oz. cans, per doz. $1.25; per gr..... 12 00
Barkeepers' Friend Metal Polish, per doz. $1.75, per gr..... 18 00
Universal Paste, 3 oz. boxes.....60%
Burnishine Liquid 5 lb..... 16 00

POLISH—STOVE.

Dixon's ..... ....per gross, $5 75
Dixon's Plumbago.....per lb 6½c

## POPPERS, CORN.

Round or Square, 1 qt....per doz., 65%
Square, 1½ qt.....per doz., $1 00
Square, 2 qt.....per doz., 1 00

## POST HOLE AUGERS AND DIGGERS.

Iwan's Patent Post Hole Auger....40%
Eureka Perfection Post Hole Digger, per doz.....$10 00
Atlas, per doz..... .... 8 25

## POWDER.

IN CANISTERS.

Duck, 1 lb each.....45c
Fine Sporting, 1 lb each.....75c
Rifle, 1 lb each..... ..... .....$1 00

IN KEGS.

Duck, 6½ lb kegs.....$2 50
Rifle, 6¼ lb kegs..... ..... 1 25
Rifle, 12½ lb kegs..... 2 25
Rifle, 25 lb kegs..... ..... 4 00

## PRESSES — FRUIT AND JELLY

Enterprise Manufacturing Co.....25%

## PULLEYS.

Hay Fork, Svl. Sd Eye, doz $1 75@$2 75
Hot House, Awning, etc.....50%
Japanned Clothes Line.....50%
Japanned Screw.....50&10%
Japanned Side..... .....50&10%
Sash (Auger Mortise):
Common Sense, 1¾ in ..per doz. 19c
Common Sense, 2 in per doz. 20c
Empire.... ..... ....17c.; 2 in., 22c

SASH PULLEYS.

Fox No. 3 or No. 7, 2½ wheel, .....25c per doz
Fox No. 9, 1¾ wheel.....20c per doz
Extra for plated Finish... 25c per doz
Extra for Anti-Friction Bronze Bushing.....10c per doz

## RAZORS.

Fox Razors No. 42....per doz. $20
" " " 44.... " " 24 00
" " " 82..Platina " 24 00
Discount 40%
Rantankarus..... " 16 00

## REGISTERS.

List Sept. 1, 1901.

Black Japanned Registers, Ventilators, Faces and Borders, .....70%
White Japanned Registers, Ventilators and Faces.... .....70%
Bronzed Finishes in Imitation of Gold, Silver, Copper or Bronze .....70%
Nickelplated.....70%
Electro-Plated in Brass, Bronze, Copper or Oxidized Silver.....70%
White Porcelain.....60%
Solid Brass and Bronze Metal.....50%

## RIVETS AND BURRS.

Coppered Iron Rivets.....60&5%
Tinners Rivets.....60&5%

## ROOFING SUPPLIES.

EAVE TROUGH.

"Perfection" Galvanized Eave Trough.....75&10%
"Eclipse" Galvanized Eave Trough .....75&10%
Double Bead Galvanized Slip Joint Eave Trough.....75&10%
Double Bead Galvanized Lap Joint Eave Trough.....75&10%

GUTTERS.

Roof Gutters, Galvanized.....75&10%

PIPE.

Plain Round Pipe, Galvanized, Nested.....60&20&2½%
Plain Round Pipe, Galvanized, Unnested.....60&20%

VALLEYS.

Valleys, in Rolls, IC and IX Terne.70%
Valleys, in Sheets, IC and IX Terne.....70%

HOOKS.

Flashing Hooks.....10%
Wrought Conductor Hooks.....60%

CUT-OFFS.

Kuehn's Galv.....60%
Acme Galv..... 10&10%
Acme Tin.....60&10%
Centennial Tin.....20%

EAVE TROUGH HANGERS.

Eave Trough Hangers, Single and Double Bead, Imperial.....10%
Eave Trough Hangers, Single and Double Bead, Wire.....

ELBOWS.

One Piece Conductor Elbows, Galvanized, Corrugated..... 60%
Adjustable Elbows, Tin. .....50%

PREPARED ROOFINGS.

Imperial 2-ply Tarred Roofing complete..... ..... $1 75 per sq.
Imperial 3-ply Tarred Roofing, complete.....$2 00 per sq.

## ROPE.

Per lb.

Manilla, 7-16 inch diameter and larger.....⅛@10c " "
Manila, ⅜ in.....9¼@9¾c " "
Manila, ¼ and 5-16 in.... .....10¼@10¾c "
Sisal 7-16 in. and larger 7@7¼c "
Sisal, ⅜ inch ..... 8@8¼c "
Sisal, ¼ and 5-16 in.....8@8¼c "
Sisal, Medium Lath Yarn .....9@9¼c " "

## SASH CORD.

Braided, Drab.....lb 25c
Braided, White common..lb 17½@18c
Cable Laid Italian ....lb, A 18c, B 16c
Common India.....lb 9c@9½c
Cotton Sash Cord, twisted....12@16c
Patent Russia.....lb 12½@13c
Cable Laid Russia.....lb 13½@14c
India Hemp, braided.....lb 14@15c
India Hemp, twisted.....lb 10@12c
Patent India, twisted.....lb 10@12c
Pearl Braided, cotton .....lb 17@18c
Massachusetts, white.....lb 22½c
Massachusetts, drab.....lb 20½c
Eddystone Braided, cotton ....lb 19c
Harmony Cable Laid Italian....lb 18c
Ossawan Mills:
Crown, Solid Braided, white ..lb 18c
Braided, Giant, white.....lb 17c
Peerless:
Cable Laid Italian.....16c
Cable Laid Russian.....14c
Cable Laid India.....12c
Braided India.....18c
Phœnix, white.....19c
Samson:
Braided, Drab Cotton .....lb 32½c
Braided Italian Hemp.....lb 32½c
Braided, Linen.....lb 49c
Braided, White Cotton, Spot.lb.28½c
Silver Lake:
A quality, Drab, 40c.....15%
A quality White, 35c.....15%
B quality, Drab, 35c.....15%
B quality, White, 30c.....15%
Italian Hemp, 40c.....15%
Linen, 57½c.....15%

## SASH LOCKS.

Ives, Patent.....60@60&5%
Payson's Perfect.....Net
Payson's Signal (new list).....Net

## SAWS.

Atkins' Circular.....Net
Atkins' Band.....Net
Atkins' Cross Cuts.....Net
Atkins' Mulay, Mill and Drag.....40%
Atkins' One-Man Saw.....Net
Atkins' Circular Solid and Inserted Tooth.....50%
Atkins' Bands over 2 in. wide.....60%
Atkins' Bands under 2 in. wide, 57&10%
Atkins' Mill, Mulay and Drag.... 50%
Atkins' Cross Cuts.....40%
Atkins' One Man.....40&10%
Atkins' Narrow Cross Cuts.....40%
Atkins' Wood Saws and Blades.40&10%
Atkins' Hand Saws .....40%
Atkins' Compass Saws.....50%
Atkins' Butcher Saws.....40&10%
Disston Circular Solid and Inserted Tooth.....50%
Disston Cross Cuts .....Net
Disston Narrow Cross Cuts.....Net
Disston, Mulay, Mill and Drag....40%
Disston Framed Woodsaws.....35%
Disston Woodsaw Blades.....40%
Disston Woodsaw Rods.....25%
Disston Handsaws, Nos. 12, 99, 9, 16, D100, D8, 120, 76 77, 8.....25%
Disston Hand Saws, Nos. 7, 3.....30%
Disston Compass, Keyhole, etc....25%
Disston Butcher Saws and Blades.35%

## SAW FILERS

Stearns'.....25%
Silent saw.....35%
Sargent's.....60&30%
Reading.....37½%

## SCALES.

Family, Turnbull's .....30@30&10%
Hatch, Counter:
Platform, 4 lb. by ½ oz..doz...$5.75
2 Platforms, 8 lb. by ½ oz. doz $16 00
Union Platform, Plain.....$1.75@$2.00
Union Platform, Striped,.$1.85@$2 15
Chatillon's Eureka.....25%
Chattilon's Favorite.....40%
Chatillon's Grocers' Trip Scales ..50%
Pelouze Scales, Household Counter, Confect. Postal, Ice, &c.....50%
"The Standard" Portables.....45%
The Standard" R. R. and Wagon 50%

## SCREWS.

### BENCH AND HAND.

Bench, Iron.....per doz. 60%
Bench, Wood, Beech..per doz. $3 50
Hand, Wood.....30%

### COACH, LAG AND HAND RAIL.

Coach and Lag, Gimlet Point, list Sept. 20, 1899.....75@75&10%
Hand Rail, list Jan. 1, 1871.....75%

### JACK SCREWS.

ack Screws.....70%

### WOOD.

MANUFACTURERS' CIRCULAR PRICES

New List.
Flat Head Iron.....87½%
Round and Oval Head Iron.....85%
Flat Head Brass.....85%
Round and Oval Head Brass.....82½%
Flat Head Japanned.....82½%

## SCYTHES.

Blood's.....$ 8 50
Clover..... 8 50
Grain Clipper, Blood's..... 10 50
Hollow Clip..... 8 50
Silver Clip ..... 8 50
Honest Dutchman..... 8 50

## SHEARS.

| | 7 | 8 | 9 in. |
|---|---|---|---|
| Best..... | $16.00 | $18.00 | $20.00 gro. |
| Good..... | 13.00 | 15.00 | 17.00 gro |
| Cheap.... | 5.00 | 6.00 | 7.00 gro. |

Straight Trimmers, &c.:
Best Quality Jap.....70@70&10%
" Nickel.....60@60&10%
Fair qual. Jap..... 80@80&5%
" Nickel .....75@75&10%
Tailors' Shears.....40@40&10%
Acme Cast Shears.....40@40&5%
Heinisch's Tailors' Shears. 40@40&5%
Wilkinson's Hedge .....50%
Wilkinson's Sheep.....1900 list, 50%

## SHINGLES, METALLIC.

Eastlake I. C. Tin Shingles, painted, pr sq.....$4 25
Eastlake I. C. Tin Shingles, galvanized, pr square.....$6 00
Octagon Fluted I. C. Tin Shingles, painted, per square..$5 50
Octagon Fluted I. C. Tin Shingles, galvanized. pr sq....$7 25

## SIFTERS.

Eclipse.....per gr $15 00
Hunter's Genuine.....per gr $16 00

## SKATE SHARPENERS.

Skate Sharp., Eureka, per doz $2 00 net
Washer Cutters, Woodard's per doz.....$2 50 net

## SLATE.

### GENUINE NO. 1 BANGOR.

| | | | |
|---|---|---|---|
| 34x14, 24x12, 12x 8 | $3 50 pr sq. | 20x10, 18x10, 18x 9, 16x 8 | $4 50 pr sq |
| 22x11, 20x12, 18x12, 16x12, 14x10, 14x 8, 14x 7 | $3 75 per sq. | 16x10, 16x 9 | $4 25 pr sq |
| | | 12x 7, 12x 6 | $3 25 pr sq |

### GENUINE NO. 1 BANGOR RIBBON.

| | | | |
|---|---|---|---|
| 24x14, 24x12, 22x11, 20x12, 14x 8, 14x 7 | $3 00 pr sq. | 20x10, 18x10, 18x 9, 16x10, 16x 8 | $3 50 pr sq |
| | $3 25 pr sq. | | |

## SNAPS.

German.....40@40&10%
Covert Mfg. Co.:
Derby.....35&2%
High Grade .....45@2%
Jockey.....40&2%
Trojan .....45&2%
Yankee.....35&2%
Yankee, Roller.....30&2%
Covert's Saddlery Works:
Banner.....60&10%
Crown.....60&10%
Model .....60&10%
Triumph .....60&10%
W. & E. T. Fitch Co.:
Bristol .....40&10%
Empire.....50&5%
German .....40%
National .....50&5%
Perfect.....45%
Clipper.....50&5%
Champion.....40%
Security.....40%
Victor.....60&5%
Oneida Community:
Solid Steel.....65@65&10%
Solid Swivel.....65&10@65&10&10%
Sargent's Patent Guarded...66⅔&10%

## SOLDERING FURNACES.

No. 3 Gems tin reservoir.....$6 00
No. 6 Gems copper reservoir..... 8 50
Gem Gas Pots..... 3 25
Clayton & Lambert No. 1 Fire-Pot 6 00
Clayton & Lambert's Special Fire-Pot..... 4 50

## SPRINGS, DOOR.

Star (Coil) list Oct. '95.....net
Torrey's Rod 30 in. Per doz .....$1 20@$1 25
Warner's No. 1.....net 75

## SQUARES.

Steel and Iron..... 70&10%
Nickel plated.....65. 10&5%
Try squares and bevels.....65, 10&5%
Disston's..... 45%
Bemis and Call, pocket.....80%
Winterbottom's try & mitre..... 50%
Starrett's.....25%

## STAPLES.

Barbed Blind .....per lb., 10c
Poultry Netting.....per lb., 5c

## STAPLE PULLERS.

Russell Staple Pullers..per doz., $9 00

## STOVE PUTTY.

1, 10 & 25 pound Cans.....per lb., 5c
500 pound Kegs.....per lb., 4½c

## STROPS.

### RAZOR.

Emerson.....60 to 60&5%
Imitation.....20, 10&5%
Torrey's.....20%
Tower & Lamont.....per doz $4 00
04 Combination.....per doz 3 75

## TACKS.

List Jan. 15, '99.
Carpet Tacks, American.....90&40%
American Cut Tacks.....90&20%
Swedes Iron Tacks.....90&40%
Swedes Upholsterers' Tacks.....90&40&10%
Gimp Tacks .....90&40&10%
Lace Tacks .....90&40&10%
Trimmers' Tacks.....90&20%
Looking Glass Tacks ..... 70&10%
Bill Posters' and Railroad Tack90&40%
Hungarian Nails.....80&15%
Common and Patent Brads....80&10%
Trunk and Clout Nails.....80&10%

## TRAPS.

### GAME.

Oneida Pattern .....75&5@75&10&5%
Newhouse .....45@50%
Hawley & Norton.....65@5&70%
Victor (Oneida Pattern) .. 75@75&10%
Star (Blake Pattern) ....65&10@70&5%

### MOUSE AND RAT.

Mouse, Wood, Choker, doz. holes .....8½@9c
Mouse, Round or Square Wire, doz.....$0.85@1.00
American Pattern French Rat and Mouse Traps—
No 1, Detroit Marty Pattern, per doz $4 50; in ½ gro. lots, per doz .....$4.00
No. 2, Detroit Marty Pattern, per doz, $3.25; in ½ gro. lots, per doz.....$3.00
Detroit Marty Pattern Mouse, per doz. $2.00; in ½-gro. lots, per doz.....$1.75
Diamond Joe Mouse Traps, per doz.....60c
Diamond Joe Rat Traps, per doz.$1.00
Marty French Rat and Mouse Traps (Genuine:)

## TWINE.

| Flax Twine— | BC | B |
|---|---|---|
| No. 9, ¼ and ⅜ lb. Balls... | 20c | 24c |
| No. 12, ¼ and ⅜ lb. Balls ... | 17c | 20c |
| No. 18, ¼ and ⅜ lb. Balls ... | 14c | 17c |
| No. 24, ¼ and ⅜ lb. Balls.... | 14c | 17c |
| No. 36, ¼ and ⅜ lb. Balls... | 13c | 16c |
| Chalk Line, Cotton, ½ lb. Balls | 18@20c | |
| Cotton Wrap., 5 lb. Balls to lb | 16 to 20c | |
| 2-Ply Hemp, 1½ lb. Balls (Spring Twine) | 12@15c | |
| 3 Ply Hemp, 1 lb. Balls..... | 12@15c | |
| 3-Ply Hemp, 1½ lb. Balls ..... | | |
| 2, 3, 4 and 5-Ply Jute, ½ lb. Balls... | 8c | |
| Mason Line Linen, ½ lb. Balls .... | 45c | |
| No. 204 Mattress, ¼ and ½ lb. Balls ..... | 34c | |
| Wool..... | 5½@6c | |

## VISES.

Solid boxes.....40%
Parker's.....20%
Howard's.....35%
Bonney's.....35%
Trenton.....40%
Stearns'.....50%
Cheney's.....12½%
Massey's.....25%
Parallel.....30&5%
Holland's.....35%
Stevens'.....25%
Miller's Falls.....40%
Prentiss.....20%
No. 1, Rat each $1.12½; per doz .....$12.00
No. 3, Rat, per doz. $6 00; case of 50.....$5.25 doz.
No. 3½, Rat, per doz $4.75; case of 72.....$4 25 doz.
No. 4, Mouse, per doz. $3.50; case of 72.....$2.75 doz.
No 5, Mouse, per doz. $2.75, case of 72.....$2 25 doz.
Schuyler's Rat Killer, No. 1, per gro. $30.00; No. 2, per gro. $30.00; Mouse, No. 3, $18.00.....50%

### FLY.

Balloon, Globe or Acme..... doz $1.15@1.25; gro. ... $10.50@11.00
Harper, Champion or Paragon.... doz. $1.25@1.40; gro....$12.00@12.50

## TROWELS.

Disston Brick and Pointing ..... 30%
Disston Plastering.....25%
Disston "Standard Brand" and Garden Trowels.....40%
Never-Break Steel Garden Trowels.....gro. $7.00
Peace's Plastering.....30%
Rose Brick and Plastering.....25&5%
Woodrough & McParlin Pl'st'ring.

## WASHERS.

### LEATHER, AXLE—

Solid.....80&10&10@35%
Patent.....85&10@85&20%

| Coil: | ⅜ | 1 | 1⅛ | 1¼ inch. |
|---|---|---|---|---|
| | 11c | 12c | 13c | 15c per 100 |

### IRON OR STEEL.

| Size bolt | 5-16 | ⅜ | ½ | ⅝ | ¾ |
|---|---|---|---|---|---|
| Washers | $5.20 | $4 30 | $3.00 | $2.80 | $2.60 |

In lots less than one keg add ¼c per lb; 5-lb boxes add ½c to list.

### CAST WASHERS.

Over ½ inch, barrel lots per lb .....1⅛@1¼c

## WELL WHEELS.

8-in., $2.20.....10-in., $2.60
12-in., $3.25.....14-in., $3.25

## WIRE AND WIRE GOODS.

Brt. and Ann., 6 to 9, 70&10@70&10&5%
Brt. and Ann., 10 to 18, 72½@72½&10%
Brt. and Ann., 19 to 26, 75&7½@75&10%
Brt. and Ann., 27 to 36.....75&10&5@75&10&7½%
Cop'd and Galv., 6 to 9, ...70@70&10%
Cop'd and Galv., 10 to 18.....70&10@70&10&5%
Cop'd and Galv., 19 to 26.....75&7½@75&10%
Cop'd and Galv., 27 to 36.....75&10@75&10&5%
Tinned, 6 to 14.....75@75&5%
Tinned, 15 to 18 .....70&5@70& 0%
Tinned 19 to 26.....70@70&5%
Tinned, 27 to 36 .....65&10@70%
Annealed Wire on Spools.....70&5@70&10%
Brass and Copper Wire on Spools .....60&5@60&10%
Brass, list Feb. 26, '96.....25%
Copper, list Feb. 26, '96.....15%
Cast Steel Wire.....50%
Stubs' Steel Wire, $6.00 to £.....40%

### BRIGHT WIRE GOODS.

List April 1, 1901.....85@85&10%

### WIRE CLOTH AND NETTING.

Galvanized Wire Netting....85@85&5
Ptd Screen Cloth per 100 ft $1.00@$1
Light Hardware Grade:
2-8 Mesh. Plain (8c list) sq ft... 1¼c
2-8 Mesh, Galv. (8c list) sq ft....2½c

## WRENCHES.

Agricultural.....70&10%
Case lots.....75&10%
Acme.....60&5%
Baxter's S.....60&10%
Bull Dog.....70%
Coe's Genuine.....40&10&5%
Coe's "Mechanic's"..40&10&10&5&5%
Alligator .....60&10&10%
Bemis & Call's:
Adjustable S.....35&5%
Adjustable S Pipe.....40%
Briggs' Pattern.....30&10%
Combination Black.....40&5%
Combination Bright.....40%
Cylinder or Gas Pipe.....35%
Extra Heavy.....45%
Merrick's Pattern.....50%
No 3 Pipe, Bright.....55%
Bindley Automatic.....30%
Boardman's .....32½%
Donohue's Engineer.....40&10%
Eagle.....50&10%
Gem Pocket.....30%
Hercules.....70%
Knife Handle, Machinists' (W & B.): 0&10%
Case lots.....50&5%
Less than case lots.....0%
Improved Pipe (W. & B.).....50&10
Solid Handles, P. S. & W.....&10 &
Stevenson..... 5&

# Wants and Sales.

**For yearly subscribers to THE AMERICAN ARTISAN will be inserted under this head advertisements of six lines WITHOUT CHARGE, for employers wishing to secure employes, persons seeking situations, parties desiring to purchase a business, businesses for sale, partners wanted, to exchange, etc. Those who respond to these announcements will please mention that they read the advertisement in THE AMERICAN ARTISAN.**

## BUSINESS CHANCES.

**PATENTS.**—H. W. T. JENNER, Patent attorney and mechanical expert, 608 F street, Washington, D. C. Established 1883. I make an examination free of charge and report if a patent can be had and exactly how much it will cost. Send for circular. Member of Patent Law Association.

**PATENTS** HUBERT E. PECK, 623 F St., N. W. Washington, D. C. Consulting Expert in Patent Causes, U.S. and Foreign Patents. Send for leaflet on "Rejected Patent Applications." Honest work but no "Something for Nothing" offers

Wanted—Stock of hardware, etc. $2,500 to $4,000. Have a splendid modern residence; all conveniences. Chicago best suburb. Steam heat. Everything first-class. Corner lot, 125x165, worth $7,000 to exchange. Will take long time mortgage for difference and make quick deal. Residence now rented for $30 per month. Present tenant will stay indefinitely. Address "Swayze," care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 10

For Sale—A $3,500 stock of hardware, stoves, etc., in a thriving Iowa town of 4,000. Stock first-class and trade established seven years. Doing a good business. An excellent chance to step into a paying trade. Shop in connection. Address "Shop," care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 10

For Sale—A small stock of stoves, tinware and house furnishing goods with set of plumbers' and tinners' tools. Located in a central Pennsylvania town of about 2,500. A good chance for a party that can do both tinning and plumbing. Enquire of "Plumbing & Tinning," care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 10

For Sale—Half interest in a first-class stove repair business in large town. This is a growing business and a first-class opportunity for an energetic young man to get a paying life business. Reason for selling: Have so much business of another nature that I cannot give any time to this. Only about $1,500 required in the deal. Address "Box L," care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 10

For Sale—Small hardware and stove store in best of location in old and prosperous Chicago suburb, and enjoying a heavy trade. Will invoice about $2,000. Also large job and cornice shop with set of tinners' tools in splendid condition. Twelve miles from Chicago business center. Best of reasons for selling. Address, "Center," care of THE AMERICAN ARTISAN, 69 Dearborn street, Chicago, Ill. 10

For Sale—Stock of hardware and furniture in a live county seat and R. R. Division town in western Nebraska. Doing a good business. The only new furniture stock in town. Address "Furniture," care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 9

For Sale—Elegant tin, sheet iron and furnace shop; best opening on the west side for good tinner; no competitors. Price $450. Reasons for selling. Address "Box H," care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 9

For Sale—A well established hardware business. Good country and doing good business. Stock about $2,000. Real estate $1,800. Good reason for selling. Location central Wisconsin. Address "S 3," care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 8

For Sale—Hardware stock and implements, invoice $6,000.00, located in one of the best farming communities in Illinois. This is a clean up-to-date stock. Address Box 446, Dwight, Ill. 8

For Sale—One 36-in Star Peerless Bar Folder; One 36-in. Star Empire Squaring Shears. Both brand new, 50% off list, $2.50 allowed for freight. For particulars address C. D. Cowgill, 304 So. 6th St., Terre Haute, Ind. 8

For Sale or Trade—A good brick two story building in a lively Ill. town that will rent at once for $25 per month. I will take good western land or a stock of hardware or Buggies and farm wagons. Address, Bargain, care AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 8

Wanted—A good location for hardware store, or buy a small stock in a good lively town in Minnesota or Dakotas. Address, Lock Box 70, Stewartville, Minn. 8

Wanted—To exchange Michigan farm for country hardware. Address, Box 38, Fayette, Ohio. 8

FOR SALE—A good clean stock of Hardware Stoves, Tinware and Building for Sale or Rent, in a good location in the City of Milwaukee. For full particulars call on or address Wm. Frankfurth Hardware Co. Milwaukee, Wis. 8

## TINNERS' TOOLS.

Wanted—1 dozen or more second-hand four caster stove trucks. Martin's adjustable preferred. McGrath & Widmayer, Hampshire, Ill. 10

For Sale—A pair of P. S. & W. 30 inch shears and one P. S. & W. 30 inch tin folder. Box 21, Marengo, Ill. 9

For Sale—A stock of tinners' tools, in good condition. Crafts & Montgomery, Wahpeton, N. Dak. 9

For Sale—Set of tinners' tools, square shears included, cheap for cash. List and price on application. Box 332 Edgerton, Wis. 5

For Sale—One Shepard's back-geared, screw cutting, foot-power lathe 13 in x 60 in., with gap and milling attachment, 3 and 4 jaw chucks and lots of tools, used very little; not a scratch on it; cost $265, will sell for $200. Write for better description to C. A. Bergh, Mondovi, Wis. 5

Set of tinners' tools for sale cheap, in good condition. Send for list. Joe G. Harris, Box 38, Decatur, Adams Co., Ind.

## HELP WANTED.

Wanted—A good all-around tinner who understands iron pipe work, hot water heating and furnace work. Must be sober, a hustler, a married man and a German. A good job to the right man. Address "Man," care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 10

Wanted—A young man with some experience as tinner, competent to repair old stoves and gasoline stoves, also to do plain bicycle repairing. Steady employment to the right man. State wages and experience. J. B. Sperry, Port Huron, Mich. 10

Wanted—Good, sober furnace man who has had experience in hot water and steam heating, roofing, spouting and understands plumbing. Give age and experience. State wages. Jno. McKinney & Son Co., Pipe City, Ill. 10

Wanted—At once: a good tinner who understands hot water, steam and furnace work and has a fair knowledge of plumbing. Will pay good wages and give steady employment to the right man. E. A. Pease, Redwood Falls, Minn. 10

Wanted—A good tinner for all-around work. Steady job to the right man. Bradberry Bros., Hurley, So. Dakota. 10

Wanted—At once; five first-class sheet metal workers. Steady employment to right men. Klauer Mnf'g. Co., Dubuque, Ia. 10

Wanted—First-class tinner who understands pumps and furnace work, and is accustomed to clerk in store. Must be temperate. Steady work, good pay. Colby Mercantile Co., Hamilton, Mo. 9

I want a good first-class tinner to take my place in the shop at once. Must be a good all-around tinner. State time you have been at the trade and give reference. Address Bay Bros., or write me. Good place to work and good wages. B. B. Morrison, 817 South Steel St., Belvidere, Ill. 9

Wanted—An experienced hardware clerk, one not afraid of work, and who can speak German. D. H. Stinson, Kendallsville, Ind. 9

Wanted—Mounting shop foreman; have a good position for thoroughly competent man. Thos. Hamilton, Sup't Joliet Stove Works, Joliet, Ill. 9

Wanted—A high-grade traveling salesman to sell furnaces as a side line on commission. The Forest City Foundry & Mfg. Co., Cleveland, O. 9

Wanted—Salesmen to sell mitres and gutter ends to the jobbing trade only. Good commission. Address Central Mitre Co., 2115 N. Senate Ave., Indianapolis, Ind. 9

Tinner Wanted—Steady employment to hustling young man. Must bring reference. West & Markham, 803 120th St., Chicago, Ill. 9

Wanted—At once: two first-class cornice men and tinners. Steady work. "Booze fighters" need not apply. E. H. Groves, Mgr., 1913 Broadway, Mattoon, Ill. 9

Wanted—At once; a first-class tinner good on job work; also furnace work. Wages $3.50 per day. Address W. M. Forward Co., Sycamore, Ill. 9

Tinner Wanted—A good No. 1 tinner; to do furnace work, all kinds of tin work and pump repairing. Only first-class, sober workman need apply. M. Reinhardt's Sons, Lincoln, Ill. 9

Wanted—A good all-around tinner, with some experience in machinery. Give reference and state wages wanted. Address P. O. B. 58, Lake Park, Iowa. Steady job the year round. 9

Wanted—At once: Tinner who understands hot air furnace work and general jobbing. State experience and wages expected for steady job, for the right man. E. M. Shoupe, Fremont, O. 8

Wanted—Skandinavian clerk that is thoroughly posted in hardware business, a good stock keeper and not afraid of work. State references, experience had, salary wanted, steady employment to right party. Barnes & Nuss Co., Grand Forks, N. D. 8

Wanted—At once, tinner slater, plumber, must be first-class workman, sober and industrious. Good wages to right man or state wages wanted. Address G. H. Blattner, Vermillion, O. 8

Wanted—Three high-grade stove salesmen for 1902 to represent first-class stove house in Ill., Ia., and Minn. None but good salesmen need apply. Address "High Grade," care THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 8

Wanted—At once, a first-class tinner, an all-round hustler; a furnace man. Steady job. Address W. W. Wheeler, Harlan, Iowa. 8

Wanted—At once. A tinner, one who can do any thing that comes in a tin shop; no pumps or wind mills. State wages. Last two men have been with me five years. W. S. Davis, Stewartville, Minn. 8

Wanted—Two first class die makers, familiar with making dies for stamped ware. Also two first class machinists. Address, The Lisk Man'f'g Co., Ltd., Canandaigua, N. Y. 8

Wanted—A good experienced, steady Tinner. To one willing and capable of doing all work on Stoves, Pumps and Bicycle Repairing we can give steady employment. One who speaks German preferred; must have man by Sept. 1st. Casselton Hardware Co., Casselton, N. D. 8

## SITUATIONS WANTED.

Situation Wanted—By a good all-around tinner. Temperate and honest. Very good on general job work. Can come at once. Try me. Address Box 247, Colbury, Wis. 10

Situation Wanted—By sheet metal worker. Familiar with heating and ventilating. Can lay out his own work and make plans and drawings where necessary. Address "Box 85," care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 10

Situation Wanted—As salesman in hardware where it requires a man of ability and experience. Have had 15 years of actual experience. Can keep books and do shipping. Would prefer a country town. Address "W. H.," care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 9

Wanted—Situation as clerk in a hardware store. Have had some experience in tinning. Age 19 years. G. J. Sturm, Flora, Ill. 9

Wanted—Situation, by practical sheet metal worker, 12 years' experience; hardware store preferred. Must be a steady situation, in the city of Chicago only. Address "Steady," care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 9

Situation Wanted—Traveling salesman visiting the jobbing trade and large dealers only, wants a situation side line or otherwise. Address Salesman, care of Central Mitre Co., 2115 N. Senate Ave., Indianapolis, Ind. 9

Situation Wanted—As clerk, tinner, stove man, window trimmer, a general all-round hardware man, a hustler, recognizing no "dull seasons;" young, sober and single; write anyhow. Chas. Hahn, Butte, Mont. 8

Wanted Situation—I have had 15 years' experience in a hardware store, six years' in the newspaper business; was post master three years of the time. I want a situation in a hardware store; can do some work at the bench. Best of references. Address, Box 280, Dexter, Minn. 8

Wanted—Situation by German-American man of 19 as tinner. Common in and outside work. Can repair bicycles, gasoline stoves, etc. Have had 3 years' experience. No bad habits. Address E. W. Ebert, Farmersburg, Ia. 7

## SPECIAL NOTICES.

**WANTED.**

A position as superintendent of manufacturing plant making general line of hardware and electro plated wares. Have had 15 years' experience with one of the largest plants in the United States. Address,

**"Wilmington,"**

care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 9

## SPECIAL NOTICES.

# WANTED MACHINERY

**(WOOD WORKING MACHINERY.)**

We solicit catalogues and prices on complete duplicate equipment Wood Working Machinery, for our Annex Building, a list of which will be sent on inquiry.

**J. D. WARREN MFG. CO.,**
**502-503 Masonic Temple,**
**CHICAGO.**

# WANTED

Permanent situation by an experienced stove manufacturer, as superintendent or manager. Good character. Steady habits and competent. Address,

**"Superior,"**

care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill.

## WANTED.

Position as an assistant cutter; by a tinner with 20 years' experience. Steady and reliable. Best of references. Would prefer position in or near Chicago. Address,

**"Cutter,"**

care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 7

# YOUNG MAN

With good connections in British Isles and Continental Europe wishes agencies for a few lines of American manufacture. Prompt attention. References. Address

**MONTAGUE,**
**39 Paradise Street,**
**Liverpool, Eng.**

**A YOUNG SUCCESSFUL FACTORY MANAGER,**

Familiar with designing and construction of gas stoves and appliances, who has also had entire charge of factory, buying and selling, desires a change of position. Is at present employed as manager of one of the best gas stove firms in the country. Can give best of references, and leave present position on thirty days' notice. Able to design and construct any style of gas stove or range desired. Address "STOVE MANAGER," care of THE AMERICAN ARTISAN, 69 Dearborn St., Chicago, Ill. 6

**If You Advertise,**

| | |
|---|---|
| 50 Hardware Ads .. | 50c |
| 50 Bicycle Ads..... | 50c |
| 50 Furnace Ads..... | 50c |
| 50 Implement Ads.. | 50c |
| 100 Steel Range Ads. | 100c |

or intend to, these ads are worth 10 times what they cost you. Increased our sales. Catchy headlines, ready for printer. Stamps taken. Address, **H. P. Townley, Terre Haute, Ind.**

**If you wish your prosperity to be continuous make your advertising continuous. One begets the other.—The World.**

**ILLUSTRATION SHOWING**

# JONES' RATCHET COPING SAW

**IN OPERATION.**

The Jones Ratchet Frame is constructed with a steel back and Ratchet arrangement (see illustration) which enables the workman to quickly set the blade at any angle by the handle and button at the other end of saw frame (see letter A).

## Jones & Dommersnas,

**31 & 33 Indiana St., - - - - CHICAGO.**

# STOVE DEALERS

**will make money and save money by using**

# DIXON'S GRAPHITE CEMENT.

**There is nothing equal to it for repairing fire brick in stoves, furnaces, etc.**
**Let us send you sample and prices.**

**JOSEPH DIXON CRUCIBLE CO., - Jersey City, N. J**

# Pan-American Route

**Between CLEVELAND and BUFFALO.**

**STEAMERS CITY OF BUFFALO AND CITY OF ERIE.**

Both together being without doubt, in all respects, the finest and fastest that are run in the interest of the traveling public in the United States.

**TIME CARD—DAILY—APRIL 15th to DEC. 1st.**

Leave Cleveland 8 p. m. Arrive Buffalo 6:30 a. m. | Leave Buffalo 8 p. m. Arrive Cleveland 6:30 a. m.

***ADDITIONAL SERVICE DURING JULY AND AUGUST DAILY EXCEPT SUNDAY.***

Leave Cleveland.....8:00 a. m. | Leave Buffalo.....8:00 a. m.
Arrive Buffalo.....6:00 p. m. | Arrive Cleveland.....6:00 p. m.
Leave Cleveland Tuesdays, Thursdays and Saturdays 5 p. m. Arrive Buffalo 5:30 a. m.
Leave Buffalo Mondays, Wednesdays and Fridays 5 p. m. Arrive Cleveland 5:30 a. m.

All Central Standard Time. Orchestra Accompanies Each Steamer.

Connections made at Buffalo with trains for all Eastern and Canadian points, at Cleveland for Detroit and all points West and Southwest.

Ask ticket agents for tickets via C. & B. Line. Send four cents for illustrated pamphlet. SPECIAL LOW RATES CLEVELAND TO BUFFALO AND NIAGARA FALLS EVERY SATURDAY NIGHT, ALSO BUFFALO TO CLEVELAND.

**W. F. HERMAN, General Passenger Agent, Cleveland, O.**

## M. Hosterman & Son, Marshfield, Wis., write--

"You may take our ad. out of THE ARTISAN as we have bought a kit of tools. We received 8 or 10 replies to the ad. and think your paper all right."

## CUT THIS OUT.

**To the Publishers THE AMERICAN ARTISAN,**
**69 Dearborn St., Chicago.**

*Please send us THE AMERICAN ARTISAN each week for three months. At the end of that time we will remit Two Dollars, for one year's subscription, or 50 cents in case we decide to discontinue.*

NAME.....

ADDRESS.....

TOWN.....

STATE.....

**ROOFS** need to be protected and the best protection for iron, tin and shingle roofs, iron clad and wooden buildings, bridges, cars, etc., is the **Buckeye Standard Creosote Paint**, made from the best oxides, ground in pure linseed oil.

**Buckeye Paint & Varnish Co.,** Toledo, O.

**WE ARE**

making a collection for future reference, of orders for **Original Stove Repairs;** your order will help make the list complete.

Prompt shipments is one of our hobbies. Our original order book makes itself useful in more than one way, it's free to our customers.

**UNION STOVE REPAIR CO.,**
**2852-2854 Archer Avenue, CHICAGO.**

**Repairs** For all Stoves
**Great Western Stove Repair Co.**
**MINNEAPOLIS, MINN.**

Stove, Range and Furnace **REPAIRS**
OF ALL KINDS.
**American Stove Repair Works,**
186-188 West Seventh Street, ST. PAUL, MINN.

**REPAIRS** FOR ALL **STOVES** AND **RANGES.**
**A. G. Brauer,** 316-318 North Third St., ST. LOUIS, MO.

**Champion Stove Clay**

The only Stove Lining made of crucible materials.
Packed in 2½ lb., 6 lb., and 10 lb. pasteboard boxes and also in bulk.
Order it from your jobber.
The best and most refractory lining made.

**BRIDGEPORT CRUCIBLE CO.**
BRIDGEPORT, CONN.

FOR **MICA**
Sheet, cut or uncut, Powdered and Flake
WRITE TO
ASHEVILLE MICA CO.
ASHEVILLE, N. C.

Why not remodel your Oaks and Oval air-tights so as to use cast-iron where you now use sheet steel? More attractive!
Planished and Sheet Steel will be scarce.
**The Gobeille Pattern Co., Cleveland, O.**

THE GEO. W. COPE
**STOVE PATTERN WORKS,**
Randolph and Atwater Sts.
DETROIT, MICH.

Experience. Correctness.
**Acme Pattern Works**
STOVE and HEATER
**Patterns**
AKRON, OHIO.
Promptness. Satisfaction.

**Indianapolis Artistic Pattern Works,**
Cor. Fenneman and Minnesota Sts.
INDIANAPOLIS, IND.
Perfect Work. Right Prices.
Special Stove and Furnace Patterns.

R. H. Fichtenmueller, Waukon, Ia., writes, "I could not get along without THE AMERICAN ARTISAN."

# REPAIRS FOR ALL STOVES

Pipe Dampers, Mica,
Stove Rods, Paste, Stove Putty,
Stove Knobs, Etc.

**Wm. T. Dust Co.,**
231 Brush St., DETROIT.

# M. Brucker,

Manufacturer and Jobber of
**Stove and Range Repairs.**
FOUNDRY, OFFICE AND WAREROOMS
325 to 331 North Lincoln St.,
CHICAGO.

# J. L. Morris Stove Repair Co.

Wholesale and Retail Dealers in

## Stove and Range Repairs, Mica, Etc.

OFFICE AND WAREROOMS
29 and 31 Desplaines Street, Chicago.

Sole Western Agents for BURDETT, SMITH & CO., and other Manufacturers' Original Repairs.

# MICA

ASSORTED PACKAGES.

Put up expressly for the Retail Trade.

ONE POUND—4 SIZES. ¼ lb. each size.

| | | | |
|---|---|---|---|
| North Carolina - | $2.00 | 4½ x 6 | 2½ x 3 |
| Wyoming - - - | 1.70 | 2¼ x 3¼ | 2¼ x 4½ |

TWO POUND—8 SIZES. ¼ lb. each size.

| | | | |
|---|---|---|---|
| North Carolina - | $3.75 | 2 x 3 | 2¼ x 4 |
| Wyoming - - - | 3.20 | 2 x 4 | 2¼ x 3½ |
| | | 3 x 3 | 2½ x 4½ |
| | | 3 x 4½ | 4½ x 6½ |

THREE POUND—12 SIZES. ¼ lb. each size.

| | | | |
|---|---|---|---|
| North Carolina - | $5.20 | 4½ x 5 | 2¼ x 4 |
| Wyoming - - - | 4.25 | ¾ x 4½ | 2½ x 3½ |
| | | 3 x 3 | 2 x 4 |
| | | 2¼ x 4½ | 2¼ x 2¼ |
| | | 2½ x 3 | 2¼ x 3½ |
| | | 2 x 3 | 5 x 6½ |

ABOVE PRICES NET. NO DISCOUNT.

**EUGENE MUNSELL & CO.,**
218 Water St., NEW YORK and 117 Lake St., CHICAGO.

# DON ADAMS,

MORNING SUN, IA.,
WRITES:

"I subscribed for your paper one day, and obtained a position the next day."

SELECTED

# MICA

ONLY

Prepared expressly for the Stove and Hardware Trade.

Two Grades: "North Carolina" and "Nevada."

Price Lists and Discounts Sent on Application.

**The Palermo Mica Co.,**
115 BEEKMAN ST., NEW YORK.

ORDER YOUR

# Repairs for Stoves, Ranges and Furnaces

FROM

**City Stove Repair Co.**
CLEVELAND, OHIO.

We guarantee prompt and careful attention. Send for Order Slips.

# The Brohard Damper Clip,

**Easily Adjusted**

The Clip being malleable iron, will not break in riveting.

Cost no more than all cast.

Sample free to introduce.

Write us.

**The Brohard Co.**
Phila., Pa.

ONCE TRIED, ALWAYS USED.

THE BAR-KEEPER'S "FRIEND"

FOR
CLEANING, POLISHING AND POLISHING
BAR FIXTURES, DRAIN BOARDS
AND ALL
Tin, Zinc, Brass, Copper, Nickel and all Kitchen and Plated Utensils.
Glass, Wood, Marble, Porcelain, Etc.

GEORGE WM. HOFFMAN,
Sole Manufacturer and Proprietor,
295 East Washington St., Indianapolis.

**BARKEEPER'S FRIEND.**

Marble, Glass, Nickel, Brass, Copper, Tin and German Silver

can all be cleaned and polished with it easier than with anything else. Price 25 cents per pound.

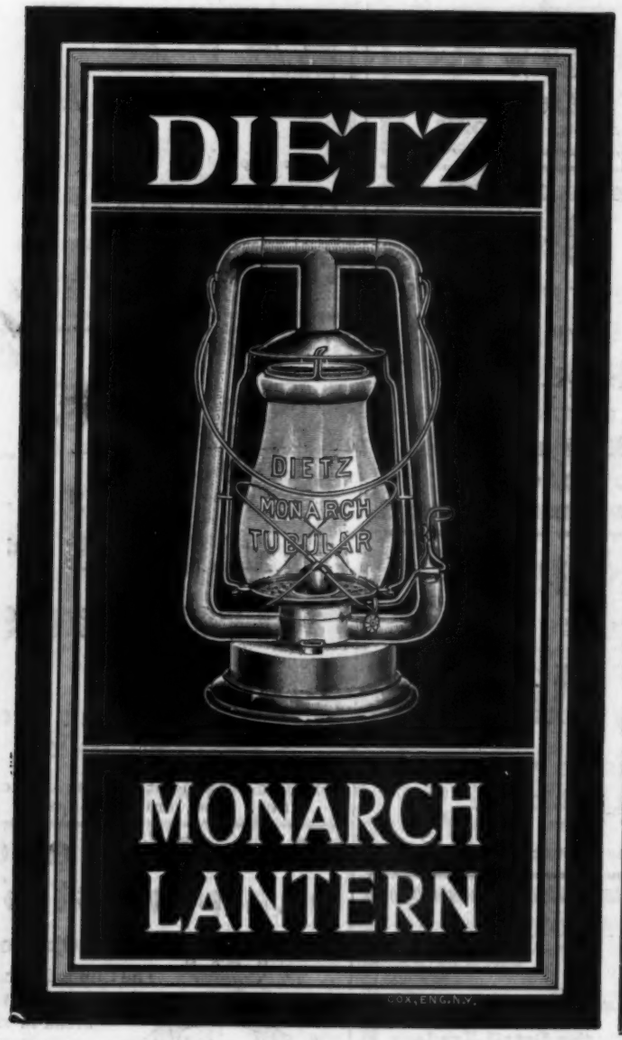
Let us send you a free sample.

GEO. WM. HOFFMAN
295 E. Washington St., Indianapolis, Ind.

FOR SALE BY JOBBING TRADE.

A. E. Jacobson, Charles City, Ia., writes:

"Please take my ad for situation out, or I will have to hire a stenographer to do my corresponding. I have up to date received eighteen letters and jobs. Will say I could not be without THE AMERICAN ARTISAN."




In its general "make-up" and constructive features the "Monarch" closely resembles the widely known and as widely appreciated "Victor" Lantern. Like it, this Lantern has tinned-steel oil pot; the strong, simple, positive acting device for raising the globe—to light or trim—and to hold its burner immovably in position. The principal difference lies in the substitution of a two-piece round tube for the square tube used in the "Victor" frame—a detail of construction that adds much to its attractive appearance.

All Dietz Lanterns are absolutely safe from taking fire or exploding.

The "Monarch" Lantern gives a strong, steady, copious light, and has 5/8-in. burner and No. 0 globe.

FOR SALE BY

ALL LIVE JOBBERS.

If you handle Lanterns send to us for a catalogue and to your jobber for prices.

ESTABLISHED 1840.

R. E. DIETZ COMPANY,
NEW YORK CITY.

Black Silk Stove Polish
IS BLACKER
than Jumbo ever was

None so fine and none so good as the "Black Silk."

Manufactured by LEWIS D. WYNN, Sterling, Ill.

Jobbers and Dealers Write for Prices.

F.D. BURGESS
WAUPACA, WIS.,
WRITES, FEB. 5, 1901:

"I advertised a set of Tinners' Tools in your paper and have sold them, and I have received letters from parties wanting them, from all parts of the United States. That goes to show that The American Artisan has a great circulation."

To Stove Dealers
NOTICE.

Do you know that the new A-B dealers' stove polish is made dry and you can thin it as you wish. It is the cheapest, blackest, brightest and easiest polish to use—no dust—no rust—waterproof. Keeps in any climate. Put up in 5-lb. boxes—Patented. No tin cans to pay for. Mixes quicker than paste; no drying up, good always. Used by a great many stove manufacturers who are sending duplicate orders. Send for Free Sample and price list; it will save you money.

AYLING BROS.,
Sole Manufacturers and Patentees of A-B Stove Polish
Office and Works, 14 Haddon Ave.,
Address Department A. CHICAGO, ILL.

CHAS. F. HARTMAN,
FOND DU LAC, WIS., writes:

"No hardware dealer or tinsmith should be without The American Artisan."

# Peoria Washing Machines.

**BEST IN THE MARKET.**
**MADE WITH BALL-BEARINGS.**

Have a Compound Lever Handle which greatly reduces the work of wash days. The motion used in vibrating the handle takes the strain from the back and lets the arms do the work with a great reduction in labor.
**Send for Catalogue.**
**Secure the Agency.**

**CLARK, QUIEN & MORSE,**
**PEORIA, ILL.**

# Gee Whizz Washer

**A Novelty and a Winner.**
**Does what it is intended and guaranteed to do.**

Made without hoops or staves, will neither shrink, leak nor fall down. The labor saving washer of 20th Century. Our circular describes the reflex motion and tells why it whirls, rubs, slaps, squeezes and sucks the dirt out of the clothing.
**You want the agency.**
Write for particulars to

**RANDLEMAN & SONS, Des Moines, Iowa.**

# THE ORIGINAL BRAMMER Rotary Washer.

An especially well made and light running machine and GUARANTEED TO GIVE SATISFACTION.
A simple, powerful and durable movement. This very substantial tub is made from a select quality of Cypress lumber.
Made also in the detachable leg style, as well as square.
We manufacture the most complete and satisfactory line of Washers on the market. Send for illustrated catalogue.

**BENBOW-BRAMMER MFG. CO.,**
**1007 N. 13th Street,**
FACTORIES: St. Louis, Mo., Davenport, Ia.
**ST. LOUIS, MO.**

# Bee Sharp

**...and buy the...**

# Sheet Metal Workers Guide.

A Practical Handbook for Tinsmiths, Coppersmiths and Zinc Workers. A collection of rules and diagrams for describing the most useful patterns ordinarily required, preceded by chapters on Sheet Metal Work, Soldering, Geometry as applied to Sheet Metal Working. By W. J. E. CRANE. Price, postpaid, 60 cents.

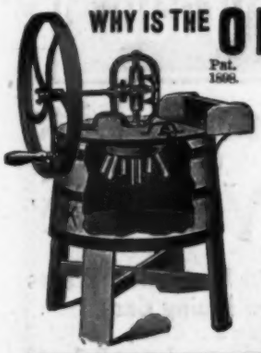
**DANIEL STERN,**
**69 Dearborn St., Chicago.**

# THE Peerless Flue Stopper

**Steel wire springs instead of sheet iron stays.**
**Stays where you put it, and is absolutely soot and smoke proof.**
**Made either plain or decorated.**
**Send for miniature sample and prices.**

**Welling Manufacturing Co.,**
**Columbus, O.**

# WHY IS THE OK THE BEST ROTARY Washing Machine?



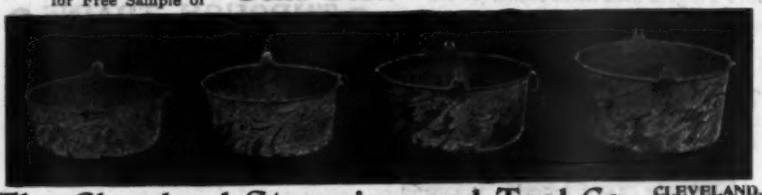
Pat. 1888.

**BECAUSE**

1.—It is the only Rotary Washer that has **Revolving Steel Ball Gearing**, reducing **the friction** and thus making machine so **light running** and almost **noiseless.**
2.—The tub is made of **Louisiana Red Cypress Lumber**, cherry finish; the legs are **solid with tub**, (not removable, breakable legs fastened with screws).
3.—The wheel turns right or left, pin wheel or dasher reverses automatically, turning the clothes back and forth through the hot soap-suds, and cleaning them without **rubbing** them to pieces.
4.—This washer is made by **experienced mechanics**, and will outlast any other washer on the market.
5.—The tub has a wringer box fastened with steel brackets.
6.—The lid on tub closes tight, **no escape of steam.**

MANUFACTURED BY
**H. F. BRAMMER MFG. CO.,** Davenport, Iowa.

Send 10c. in Stamps for Free Sample of **"Solid-Steel" Lava Enameled Ware.**



**The Cleveland Stamping and Tool Co.,** CLEVELAND, OHIO.

**H. G. Groth**
**Cedarburg, Wis., Writes:**

"Please take out my advertisement for a tinner. I am "overflooded" with letters from all parts of the State, and was able to select one of them."

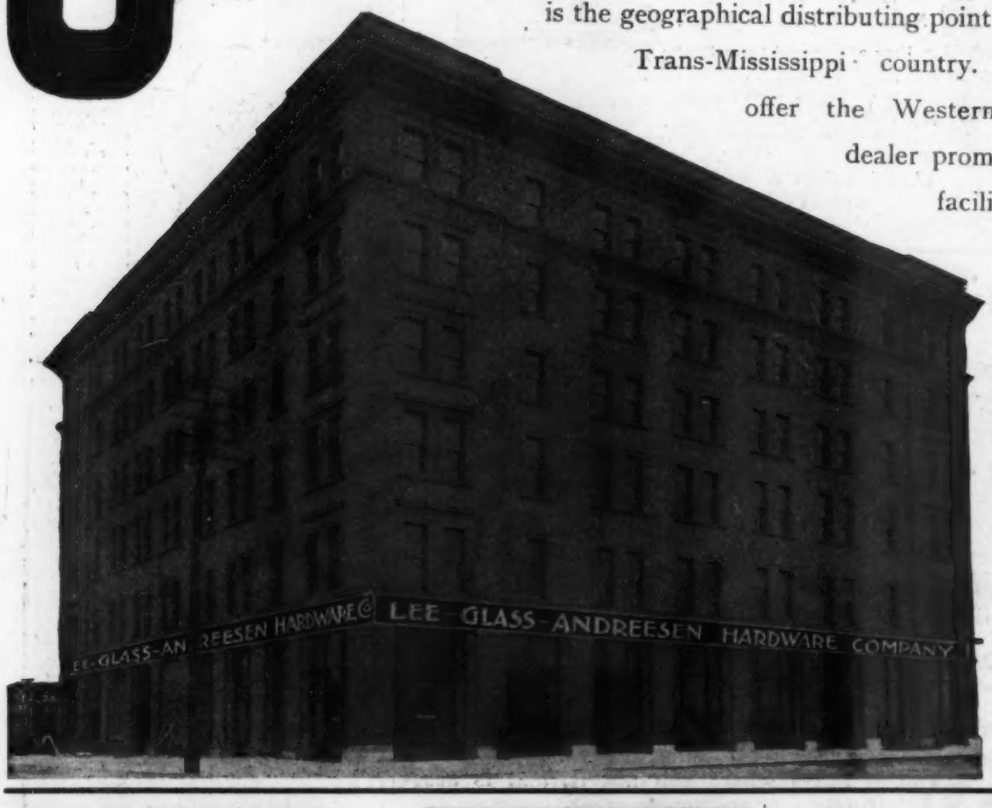
**Greig Brothers, Mitchell, Iowa, write: — "Please discontinue ad for tinner, we have had applications from Ohio to Northern Wis."**

# OMAHA

is the geographical distributing point of the great Trans-Mississippi country. We can offer the Western hardware dealer prompt shipping facilities that are absolutely beyond the reach of our competitors.

Our prices are right.

Our goods are made to meet Western requirements.




Peters Cartridges

Peters Cartridges

**The Best to Shoot are The Best to Sell!**

## Peters New Victor Shells

**Loaded with KING'S SMOKELESS**

**"They are The Best We Ever Used for Trap or Field."**

So say C. B. Adams and C. O. Dixon, of Rockwell City, Ia., who killed deer with 3-dram King's Smokeless in NEW VICTOR SHELLS, having withdrawn the charge of bird shot and loaded buck shot.

June 9, 1899, Mr. Adams broke 276 out of 310 Targets with these loads.

**Handy Book for Shooters and Sportsmen sent free to all applicants.**

**The Peters Cartridge Co.,**

Government Square, Cincinnati, Ohio.

**EASTERN BRANCH:** T. H. KELLER, Manager, 80 Chambers Street, NEW YORK.

Peters Cartridges

Peters Cartridges

Lackawanna Railroad

## The Scenic Line TO New York City

**Palatial Solid Vestibuled Trains**
**Superb Dining Cars**
(Meals a la Carte)
**Observation Cars** **Latest Pullmans**
**Elegant Day Coaches**

**3 THROUGH TRAINS DAILY from CHICAGO 3**

| Leaving Chicago | Arriving New York |
|---|---|
| 10.35 a. m. | 3.35 p. m. next day. |
| 2.30 p. m. | 7.30 p. m. next day. |
| 10.30 p. m. | 7.10 a. m. 2d day. |

**Rates** $18.00 First Class, $16.00 Second Class

**CITY TICKET OFFICE: 103 Adams Street**

GEO. A. CULLEN, Gen'l West'n Pass. Agt.

CHICAGO

**O. C. Jamison, Homer, Ill.,** writes: "I FIND MY ADS. IN YOUR ESTIMABLE JOURNAL HAVE BROUGHT GOOD RETURNS."

## Brilliant Enameled Steel Ware

This ware is now manufactured by our factory at Bellaire in the Brown Color only, same having been discontinued in all colors by our Portland, Conn. factory.
Particular effort is being made to turn out a highly satisfactory and pleasing article, and all dealers are requested to order a sample lot to be convinced of the merit of this ware.

## White and White Enameled Steel Ware

This ware will also be made by our Bellaire Factory only hereafter having been discontinued by the Portland Factory.
A large line of hospital goods made in this ware
Recommended where sanitary qualities are essential.

**National Enameling & Stamping Co.**

BRANCH OFFICES New York Baltimore Chicago St. Louis Milwaukee ADDRESS OFFICE NEAREST YOUR LOCATION

# Not in the Trust.

No Connection with any other Rogers Company.

We guarantee our Plated Ware to strip as much silver as any Brand on the Market.

New Patterns, Highest Grade of Plate.

## Simeon L. & George H. Rogers Company.

**P. O. Box 1205 Hartford, Conn.**

**FACTORIES:—Hartford and Wallingford, Conn.**

Trade "M&M" Mark

# The "M & M" 450 CANDLE POWER ARC LAMP

Trade "M&M" Mark

**THE BEST IS THE CHEAPEST.**

STORE LAMP. Patented.

Burns 12 to 15 hours with one filling. Diffuses more light than any electric arc. Does not affect your insurance policy. Permitted by all insurance companies. Absolutely non-explosive, odorless and smokeless. Tried, tested and used commercially for three years. Over 25,000 in practical use. One satisfied customer says:

Joliet, Ill., Mch. 22, 1901.
MARTIN & MOORHEAD,
54 W. Washington St.,
Chicago, Ill.

Gentlemen: We used six of these lamps last year and kept an accurate account of the expense. The gasoline cost us $25 and the chimneys and mantels $20.46 making a total cost of $45.46 for six lamps for a year. We believe we have just as good light as though we had had six electric arc lights, which would have cost us $360.

Yours respectfully,
BARRETT HARDWARE CO.

STREET LAMP. Patented.

There are others. We are saving light consumers thousands of dollars every month. We will furnish full particulars on request. Agents wanted in all unoccupied territory. Exclusive territory given. Our Pressure Mantles without an equal for use with any gasoline pressure light.

**Acorn Brass Works, DEPT. 4, Chicago.**

# The Imperial Lighting System

**PATENTS PENDING.**

Economical, brilliant, durable, reliable and simple to operate. A light equal to an electric arc at a very low cost.

The Imperial Lighting System is far superior to the Electric Arc, being softer, whiter and absolutely steady. From a tank the gasoline is conveyed throughout an entire building through a flexible copper tube that can be put through crevices, around corners and concealed the same as electric wires, and as many lights as may be desired can be supplied from the same tank. The Imperial System burns common stove gasoline, gives a 1,200 candle power light, and one gallon of gasoline burns 16 hours.

All lamps are fully guaranteed, and are trimmed complete with full instruction as to installing and operating the system.

We also manufacture a complete line of Gravity and Air Pressure Lamps. Write for illustrated catalogue.

**THE IMPERIAL GAS LAMP CO., Sole Manufacturers,**
**132-134 E. LAKE ST., CHICAGO, ILL., U. S. A.**

# Good Advertising

**Means Constant Advertising.**

**MONEY spent on this account during periods of prosperity brings its fullest returns in dull times. Don't let your customers forget you simply because you are busy now. Keep your name before the public.**

**GEO. E. SCHILLER, MONTROSE, MO. writes: "Please discontinue my ad. in The American Artisan, for it has done its work."**

# Reversible Cast Iron Shoe Lasts and Stands

Made in 7 sizes and ready sellers.

## Round Griddle

With Bail Plain or Ground.

We have the largest and best equipped factory in the South for the manufacture of Sad Irons, Country and Stove Hollowware, Ground and Unground; Sugar Kettles, English Pots, Cast Iron Shoe Lasts and Stands, Kitchen and Corner Sinks, Grates, &c.

# Blacklock Foundry,

**South Pittsburg, Tenn.**

MONON TRAINS FOR
La Fayette
W. Baden Spr.
Fr. Lick Spr.
Louisville
Mammoth Cave
Chattanooga
New Orleans
All Southern Cities.

MONON TRAINS FOR
Indianapolis
Dayton
Cincinnati
Asheville
Atlanta
Jacksonville
St. Augustine
Tampa
Havana.

You travel between
**CHICAGO LOUISVILLE INDIANAPOLIS AND CINCINNATI**
CO VIA

**MONON ROUTE**

AND C.H.&D Rwy.

LUXURIOUS PARLOR AND DINING CARS BY DAY.
PALACE SLEEPING AND COMPARTMENT CARS BY NIGHT.
6 TRAINS DAILY BETWEEN CHICAGO AND THE OHIO RIVER

W. H. MCDOEL, Pres. & Gen'l Mgr. FRANK J. REED, Gen. Pass. Agt. CHAS. H. ROCKWELL, Traffic Mgr.
CHICAGO.

**W. F. Rehbein, Grays Lake, Ill., writes....**

"Your Journal is certainly a valuable paper for every tinner to have. From one notice in your paper I received from one to four letters per day. Please take out my notice as I have got a job, thanks to the American Artisan."

Our No. 83527

RESULTS ARE ALWAYS SATISFACTORY TO ALL USERS OF THE **GREEN BOOK** OF HARDWARE SPECIALTIES. IF YOU HAVE NONE SEND FOR ONE AT ONCE.

**Utica Drop Forge & Tool Co.,**

**THOMSON BROS. & CO.** **SMITH & HEMENWAY CO.**

Ask your dealer for these goods. 296 BROADWAY, NEW YORK CITY.

# Stanley Rule and Level Co.

*IMPROVED CARPENTERS' TOOLS* Sold by All Hardware Dealers

NEW BRITAIN, CONN.

THE "DISSTON SAW" WILL DO MORE WORK WITH LESS EXERTION AND HOLD ITS CUTTING EDGE LONGER THAN ANY OTHER BRAND OF SAW.

Fully Warranted as to Material and Manufacture.

For Additional Information Send a Postal For Our Pamphlet "Practical Hints To Mechanics."

**Henry Disston & Sons, Inc.,**

Keystone Saw Tool Steel & File Works.

Philadelphia, Penna.

# "ENTERPRISE"

**Fruit, Wine *and* Jelly PRESS**

Extracts *the* Juice *and* Ejects *the* Skins *and* Seeds in one operation

No. 34, $3.00

Meat Juice Extractor

No. 21, $2.50

Ice Shredders

| | | per doz. |
|---|---|---|
| No. 33. | Tinned | $6.00 |
| No. 34. | Nickeled | 15.00 |

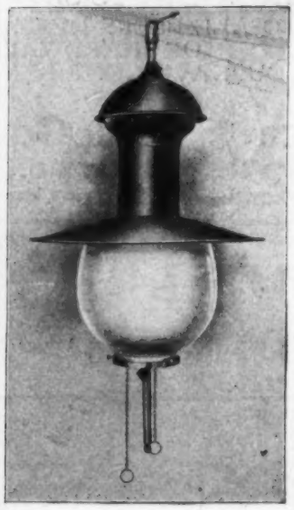
Descriptive Catalogue mailed Free — Order through your Jobber

*The Enterprise Manufacturing Co. of Pa., Philadelphia, Pa., U. S. A.*

## R. B. WARD, Belleville, Kas., writes:

"Please take my advertisement, 'Tinner Wanted,' out of THE AMERICAN ARTISAN. Your paper certainly reaches the craft. I cannot find time to answer all the applications coming in."

JOHN PORTER, ALTOONA, PA., Writes: "I can't run my shop without THE AMERICAN ARTISAN."



ELECTRICITY?
NOT MUCH!!!

It's the wonderful one-gallon

DORAN LIGHT.

Equal in every way to an Electric Arc Light at one-tenth the cost.

They can be turned up or down at will and are the most diffusive lights on the market today.

RESPONSIBLE AGENTS WANTED IN EVERY TOWN WHERE WE ARE NOT REPRESENTED.

THE SALE OR RENTAL OF DORAN LIGHTS WILL GIVE YOU AN INCOME OF FROM $200 TO $1000 PER MONTH.

Mr. W. C. Coleman, of Fort Worth, Texas, who has several offices throughout the west, says, under date of July 7th, 1901—"I have an income of $1000 per month after having handled your lights for two years."

We protect our representatives in the territory that we assign them.

Send for catalogue and descriptive matter.

ACORN BRASS WORKS, Dept. H, Chicago, Ill.



BIG FOUR ROUTE

Chicago to Indianapolis, Cincinnati, Louisville, the South and Southeast

Peoria, St. Louis, Indianapolis, Cincinnati, Louisville To New York AND The East

W. P. DEPPE, A. G. P. & T. A. W. J. LYNCH, G. P. & T. A.

CINCINNATI.

J. C. TUCKER, G. N. A., 234 Clark St., Chicago



The Quicklight Lamp

is the only lamp fit for house use. No noise, no flicking out, but is quiet, and a steady light. Made in DOUBLE, SINGLE and STAND LAMPS. Write for circular and price list, and terms to agents.

THE GREAT OBJECTION to all of the different makes of gasoline lamps heretofore offered to the public has been that they require generating, which means tiresome delay in lighting, difficulty in keeping in working order and heavy expense for repairs; the different parts of the lamps being complicated. There is also the expense of alcohol, which is an absolute necessity with all generating lamps. The "Q" requires no generating, no alcohol, no waiting. It is operated the same as ordinary city gas, lights instantly, can be turned up or down, as desired, and is absolutely safe.

You are doubtless familiar with generating lamps and the many disagreeable features. No generating lamp will sell at any price where our Quicklight Lamp is known, and as a gift the generating lamp will soon cost more money for alcohol, repairs, etc., than our lamp at full retail price.

We are not trying to compete with cheap Lamps. You can buy them at any price. We prefer to offer you the best lamp ever made.

We guarantee entire satisfaction. Patented July 24, 1900.

Quicklight Mfg. Co.

204 State St., Chicago.

The
House Warming Manual
is the Best
Heating
Book
that the
World
ever knew,

ASK ANY OF THOSE WHO HAVE READ IT.

SOLD BY BOOKSELLERS AT $3.50 PER COPY, OR BY THE PUBLISHER.

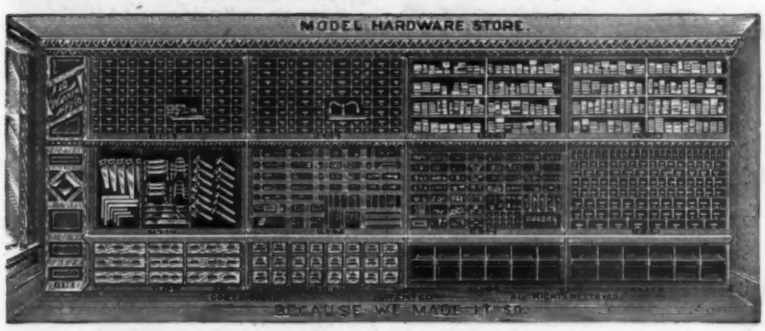
DANIEL STERN, 69 Dearborn St., Chicago,

SEND US YOUR ORDER.



In the world's broad field of battle,
In the struggle for the prize,
Be not like dumb, driven cattle,
Be a hustler—advertise.

## Make Your Stock Sell Itself—Write and ask how




**EXPERT DESIGNERS OF HARDWARE SHELVING.**

**J. D. WARREN MFG. CO. • • Chicago.**

**OFFICES: Dept. D, Rooms 502-503 Masonic Temple.**

---

Ask Your Dealer For The

# GEM SOLDERING FURNACE

AND YOU WILL MAKE NO MISTAKE

Always Ready.
No Smoke.
No Odor.
No Noise.
Unexcelled.
Unequaled.
Unrivaled.
Safe, Sure.
Durable.

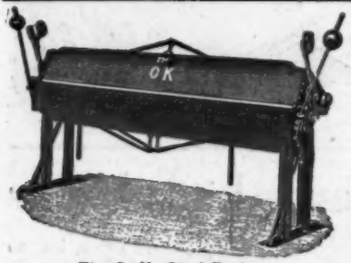
Made Only By

Thirty Years Experience.

**Burgess Soldering Furnace Co.,**

COLUMBUS, OHIO, U. S. A.

---




The O. K. Steel Brake.

## THE O K Steel Brake

**Prices for Our Regular Sizes:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. 1—12 | feet | 1 | inch | on forming | edge | ..... | $ —— |
| " 2—10 | " | 1 | " | " | " | ..... | 250.00 |
| " 3— 8 | " | 1 | " | " | " | ..... | 150.00 |
| " 4— 8 | " | 1 | " | " | " | ..... | 100.00 |
| " 5— 4 | " | ½ | " | " | " | ..... | 75.00 |
| " 6— 4 | " | ½ | " | " | " | ..... | 60.00 |
| " 7— 4 | " | ½ | " | " | " | ..... | 50.00 |

Discount and particulars on application.

Brakes for steel range work and other specialties to form up material from 10 gauge up.

**Dreis, Andrews & Krump,** SUCCESSORS TO O. K. MFG. CO

3039 and 3041 S. Halsted Street, CHICAGO, ILL.

---

# FOX Brand Razors

**Are Known as the Best.**

We make all widths and Styles. The Fox Trade Mark is Registered. Send for Catalogue.

**FOX CUTLERY CO.,**

628 Main St., Dubuque, Ia. 48 Center St., New York, N. Y. Canandaigua, N. Y.

---

**If**

You want practical up-to-date ideas about steam heating, furnace heating and hot water heating, **You should get the House Warming Manual.**

**If**

You want the practical experience of many experts rather than the heating theories of one man, **You should get the House Warming Manual.**

**If**

You desire estimates and plans of heating work that will save you many dollars in your work, **You should get the House Warming Manual.**

Price, $3.50. For sale by all booksellers, or by

**DANIEL STERN, 69 Dearborn St., Chicago.**

---

# Iwan's

Patent Improved

## Post Hole and Well Auger,

For Post Holes and Wells.
For Electrical and Telegraph Purposes.

Received Highest Award World's Columbian Exposition 1893 for convenience and effectiveness in operation, excellence of material and construction.

There are other augers on the market, claimed to be as good as the "Iwan" Auger. THEY ARE NOT. BEWARE OF THEM. The "Iwan" is the standard of excellence.

It is the only auger that has met with universal satisfaction under all conditions of soil. It is unexcelled for easy and quick work. No suction when removed from hole.

It should be in the hands of every dealer, or any one who needs a good post hole auger.

**Received Highest Award at World's Columbian Exposition.**

IMPORTANT.—Every Auger bears our stamp and label.

We manufacture also Post Hole Diggers, Drain Cleaners, Chimney Tops, Conductor Pipe Hangers, Hay Knives, etc.

Sold by the jobbing trade. Write for prices and illustrated circular. Manufactured exclusively by

**IWAN BROS.,**

**STREATOR, ILL.**

---

# INDIANAPOLIS and RETURN $5.00

via

# MONON ROUTE.

Tickets on sale September 13 to 16. Good returning to Sept. 23. Four trains daily.

**CITY TICKET OFFICE,**
**232 Clark St., Chicago.**
**Depot, Dearborn Station.**

---

# The Southern Railway

and

# The Mobile and Ohio Railroad

through its Land and Industrial Department invite prospectors, investors, manufacturers and homeseekers to investigate propositions in all lines.

Come and see what splendid opportunities the South affords. Reading matter, maps and detailed information sent free upon application to

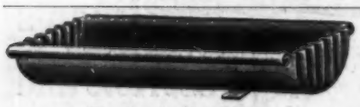
M. V. RICHARDS, Land and Industrial Agent, Washington, D. C.
W. L. HENDERSON, Agent, Land and Industrial Dept., St. Louis, Mo.
J. F. OLSEN, Agent, Land and Industrial Dept. 225 Dearborn St., Chicago.

---

**W. B. Kirk & Co.,**

**Conneaut, O., write:**

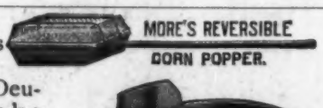
"Please take advertisement out, have got more letters than I know what to do with."



The Crusty Bread Pan.

The Mrs. Van Deusen Egg Whip.

The famous Mrs. Van Deusen Cake Molds and Other Household Specialties.



The Mrs. Van Deusen Cake Molds

Magnificent Sellers. Order Samples and you will Always Handle Them.

**C. A. CHAPMAN,** 1279 EXCHANGE ST., GENEVA, N. Y.



## Store News.

**Sweep your floors with the World's Only Sanitary Dustless Floor Brush.**

Better than a broom to sweep with because dust simply cannot rise. Sweeps better, cleaner, faster than a broom—kills the deadly germ. You'll want it. Write for circular.

122 Sycamore St.

**MILWAUKEE DUSTLESS BRUSH CO., Milwaukee, Wisconsin.**



**Standard Chain Company.**

**Chain of all Kinds.**

**Pittsburgh, Pa.**



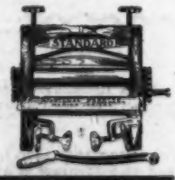
# There is Lots of Satisfaction

in selling a line of goods which has features different and superior to other makes. The individuality helps to make sales. Our line is not only well made and finished, but our method of decorating the trimmings of the better grades, makes them attractive and easy sellers.

| | | |
|---|---|---|
| **Marion** | **Monarch** | **Standard** |
| **Duchess** | **Beacon** | **Perpetual** |
| **Runeasy** | **Puritan** | **Helmet** |
| **Emperor** | **Pilgrim** | **Peer** |

**The "Magnet" Line of Wringers**

consists of an assortment of bench and tub wringers that will enable you to meet all ordinary requirements. *Write for the liberal proposition we have to make for your fall orders.*



**National Sweeper Company,**

**1902 Park Street, MARION, INDIANA.**

**WE MAKE SWEEPERS TOO.**



Carlton Hdw. Co., Calumet, Mich., write } **"Please discontinue ad. in The American Artisan for salesman wanted. We have had bushels of applicants."**



**WHY YOU SHOULD USE A No. 5 FIRE POT.**

It is light, strong, and can be easily carried.

It produces a strong blue flame which is intensely hot and free from smoke. The flame can be regulated as the user desires.

A kettle of metal and a pair of coppers may be heated at the same time.

$4.50 Net.

The burner hangs on a swivel joint and can be pointed up or down.

The top section may be removed, exposing the *open fire, which can be used as a torch.* The flame then may be applied direct to the point where heat is desired.

It is unequalled in thawing frozen pipes, taking soil pipes apart, making overhead or upright joints, flowing bath plugs, or any similar work.

There are many other advantages which will suggest themselves to you.

It requires but little gasoline to do a large amount of work, and will save you its cost in the saving of gasoline alone in a short time.

When you buy get the best there is. If it bears our name it means your money back if you are not pleased.

Jobbers sell at factory price, or we ship direct on receipt of $4.50.

**Clayton & Lambert Mfg. Co., Detroit, Mich., U.S.A.**

## Just a Little Higher

in price, but so much

**HIGHER IN QUALITY**

that the great majority of dealers prefer to sell

**Caldwell Sash Balances**

They can recommend them with clear conscience. Write for catalog.

**Caldwell Mfg. Co.**

**2 Jones St., Rochester, N. Y.**



**A Gas Stove Retailing for 25c.**

With liberal discount to the trade.

Simple! Useful! Durable.

Always ready for heating water, milk, tea, curling irons, etc.

Can be transferred from one room to another.

Handsome and very profitable to the trade. Base and top grate cast-iron (coppered); body corrugated tin; wire gauze at top and an automatic mixer in base requiring no adjustment.

Place the stove over an ordinary gas burner and light on top of wire gauze.

Will not black or smoke.

**Favorite Novelty Co.,**

139 Beaubien St., Detroit, Mich.

# Old Dominion Horse Shoes.

Illustrated Catalogue and Prices on Application.

**Old Dominion Iron & Nail Works,**

**RICHMOND, VA., U. S. A.**

ARTHUR B. CLARKE, President.

---

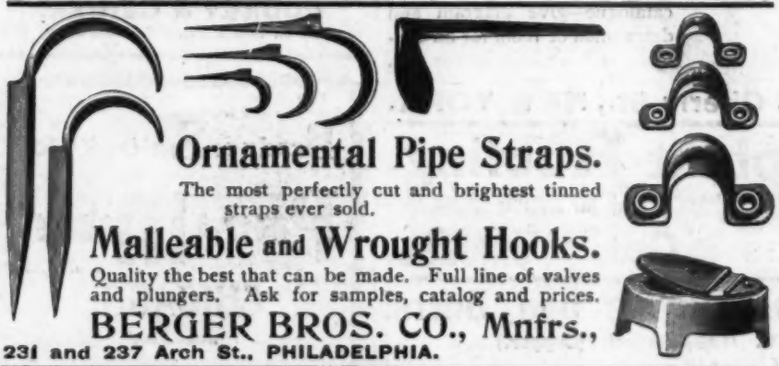
## SPERRY'S CALDRONS....

Full measure, guaranteed perfect, original patterns, with metal distributed where it is needed. Many Caldrons are made from our castings as patterns. They are inferior to original, as they have light bottoms and heavy sides and hold less.

**D. R. SPERRY & CO.,**
HOLLOW-WARE FOUNDERS,
BATAVIA, ILL.

TWELVE SIZES ALWAYS IN STOCK.

---



## Ornamental Pipe Straps.

The most perfectly cut and brightest tinned straps ever sold.

## Malleable and Wrought Hooks.

Quality the best that can be made. Full line of valves and plungers. Ask for samples, catalog and prices.

**BERGER BROS. CO., Mnfrs.,**
231 and 237 Arch St., PHILADELPHIA.

---

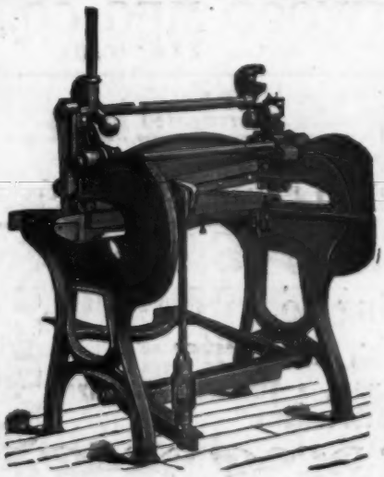
Latest Improved
**CAP SQUARING SHEARS**

[Treadle or lever combined] or Belt Power for light or heavy work, all sizes for squaring, trimming and slitting, also cutting triangular or square holes, 8 different styles.

Improved Combined
**PUNCH AND SHEARS**

12 sizes, 10 to 18 in. blades [also arranged for cutting triangular or square holes]. Improved Rolls, Crimpers, punches, etc.

**BERTSCH & CO.,**
Cambridge City, Ind.



---

# TACKS

TOWER M'F'G. CO.
ELM & FRONT STS.
CINCINNATI, O.
MANUFACTURERS

---

T. F. SCULLIN, MANUFACTURER.
INDIANAPOLIS, IND.
MFG'S PATENT ARTICLES,
HARDWARE SPECIALTIES
& NOVELTIES OF ANY DESCRIPTION MADE TO ORDER.
PUNCHES & DIES.
CORRESPONDENCE SOLICITED.

---

**Our "Confidential" Catalogue No. 115**

Intended **exclusively** for the Legitimate

**Hardware Trade,**

Contains a bargain list of merchandise bought by us at

**Sheriffs', Receivers' and Manufacturers' Sales.**

Write for it to-day.

**Chicago House Wrecking Co.,**
West 35th and Iron Sts.,
CHICAGO.

---

PERFORATED METAL

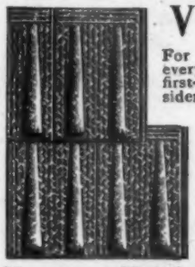
THE ROBERT ATCHISON PERFORATED METAL CO. 303-305 DEARBORN STREET CHICAGO ILL.

---

**Cheapest** in the World.
Sizes 3/8 and 1/2 inch.
**J. M. LITCHFIELD,**
284 PEARL ST., NEW YORK.

If
You Want
The Latest Designs,
and
Best Fitting
METAL CEILINGS
On The Market,
We Make Them.
Also
Cornice, Skylights,
Eaves Trough, Conductor Pipe.
J. H. ELLER & CO.,
Canton, Ohio.

THE BEST ROOFINGS
ASPHALT - - -
FELT - - -
IRON AND STEEL -
METALLIC SHINGLE
Manufactured by
W. J. BURTON & CO.,
The Quick Shippers,
DETROIT, MICH.


VICTOR
For public buildings of every character where first-class roofing is a consideration, our galvanized
VICTOR SHINGLE
is unequalled.
Deeply embossed.
Presents attractive appearance.
Telescope Side Lock.
Catalogue fully describes them.
Montross Metal Shingle Co.,
CAMDEN, N. J.

Hardware Dealers
Can Handle
Northrop's
Stamped
Steel Ceilings
and do well for their customers and themselves. Send for catalogue—give diagram and description of room for an estimate and we will no the rest.
H. S. Northrop, 53 Cherry St., NEW YORK.

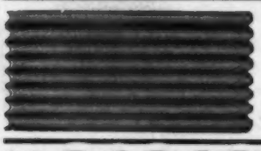
The "Centennial"
Rain-Water Cut-Off.

The strongest, most durable and cheapest CUT-OFF on the market.
The only single Cut-off made to fit CORRUGATED and Plain Pipe and which can be used without extra pipe or elbows. For sale by all leading jobbers.
Patent applied for.
Manufactured only by
COONEY & GEIGER,
19 & 21 E. South St., INDIANAPOLIS, IND.

"Sampson Brand" Pure Asphalt Roofing.
Never Dries Out or Cracks.
Planet Brand Tarred Ready Roofing, Slaters' Felt, Building Papers, Roofing Cements, Paints, Etc.
Write us for prices. J. L. Perkins & Co., 241 Lake St. CHICAGO.

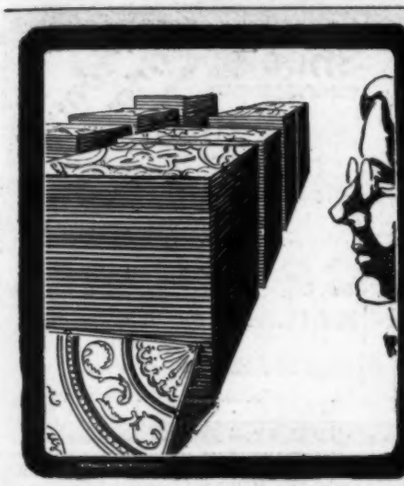
"Eagle" Brand Copper Rivets and Burrs.
STANDARD FOR QUALITY. (Lake Superior Copper.)
—MANUFACTURED BY—
THE PLUME & ATWOOD MFG. CO.,
29 Murray St., NEW YORK. 196 Lake St., CHICAGO, ILL.

Bradner Smith & Co.
Paper Makers,
CHICAGO.
BUILDING,
WRAPPING,
WRITING,
NEWS,
BOOK
Paper
Send for Catalogue.


Write us for Catalogue and Low Prices on BEST
Steel Roofing, Corrugated Iron, Etc.
We are large manufacturers of these goods and can save you money.
SYKES STEEL ROOFING CO. Chicago, Ill., and Niles, Ohio.

The Johnson Lighting Co.,
Atlantic, Ia., write:
"Please withdraw our ad. 'Wanted, a First-class Galvanized Iron Worker.' One insertion did the business."

Trying to do business without advertising is like winking at a girl in the dark; you know what you are doing but nobody else does.



## LOOK AT A BIG PILE

of our Steel Ceilings and you will see a perfectly smooth trimmed edge on every piece. This makes them easy to put up. Saves time of workman in not having to trim edges on the job.

Our Steel Ceilings are beautiful in design and are of the finest quality of material and workmanship throughout.

The same may be said of our Skylights, Conductor Pipe, Fire Proof Doors and Shutters, Hangers and Eaves Trough.

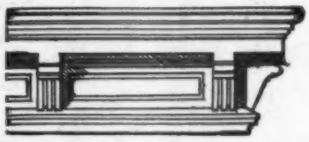
Write for catalog of designs and prices.

THE CANTON STEEL ROOFING CO.,
CANTON, O.

NEW YORK BRANCH:
157 W. 23RD STREET

269-N

**JAMES A. MILLER & BRO.**
129 So. Clinton St.,
CHICAGO.
Correspondence Solicited.



Corrugated and other
IRON ROOFINGS.
SKYLIGHTS,
CORNICES,
CONDUCTOR PIPES,
GUTTERS, ETC.

# ROOFING

PLAIN, CRIMPED OR ROCK-FACED BRICK.

Roll and Cap
Standing Seam.
Corrugated.

Eave Trough, Conductor Pipe, Elbows, Cornices, Skylights, Finials, Ventilators, Cut-Offs, Crestings, Etc.

La Crosse Steel Roofing and Corrugating Co., La Crosse, Wisconsin.

## The Perfection Rain-Water Cut-Off.

EXCELS ALL OTHERS IN
SIMPLICITY-STRENGTH-DURABILITY.

Klauer Mfg. Co.,
SOLE MANUFACTURERS,
DUBUQUE, IA.

SUCCESSORS TO W. A. SMITH & CO., PATENTEES, LIMA, O.

# SLATE.

ALL GRADES MANUFACTURED AND SOLD BY

**AULD & CONGER,**
CLEVELAND.

S. C. SMITH, President — WM. BRAY, Treasurer — B. W. RIBBLE, Secretary
The East Bangor Consolidated Slate Co.
.... MANUFACTURERS OF ....
Laundry Tubs, Burial Cases, Urinal Stalls, Tiles, Genuine Bangor Roofing Slate and General Structural Slate.
EAST BANGOR, PENNSYLVANIA.

GARRY IRON & STEEL
ROOFING COMPANY
CORRUGATED
ROOFING SIDING & CEILING
CLEVELAND OHIO.

J. R. West, Gas City, Ind., writes: "Please discontinue ad. for Tinner, as I am overwhelmed with applicants, and have had a man at work some time."

## Persistence in Advertising

In the expansion of business now bringing profit to so many manufacturers, advertisers who have made themselves regularly prominent in the past five years have been notable in reaping the rewards of persistent publicity.

Large Stocks

Brass

Copper

Bronze

# SHEET COPPER

Cold Rolled—Patent Leveled—Smooth Soft

Sheets

Tubes

Wire

Prompt Shipments

FOR

## ROOFING AND CORNICE WORK

Lowest Prices. — RESERVOIR COPPER—COPPER NAILS — Unexcelled Quality.

**MERCHANT & CO., Incorporated.**

PHILADELPHIA, 517 Arch St. NEW YORK, 245 Water St. CHICAGO, 46 So. Clinton St. BROOKLYN, 584 Flushing Ave.

# American Tin Plate Company

MANUFACTURERS . . . . .

Tin Plate

Terne Plate

. . . and . . .

Black Plate

GENERAL OFFICES: Battery Park Bldg. New York.

# An Object Lesson in Artistic Metal Ceilings.

Here is an object lesson in artistic metal ceilings.

It shows one of the combinations of our Gothic design.

Gothic Style, of course, isn't as elaborate as some other styles we manufacture, but it has a dignity and forceful simplicity which makes it a favorite for church decoration and similar work.

First of all, you will notice it combines the effect of plastic relief, with the mechanical excellence and staying qualities of sheet metal.

Secondly, it is in harmony of style throughout—every part of the ceiling is Gothic in design, and it is perfectly appropriate for the interior decoration of churches and other buildings or rooms finished or furnished in Gothic Style.

The cut shows only one of the **many** effective combinations that can be made from our Gothic ceiling material. If you are not familiar with our line, you have probably no idea of the almost countless number of different combinations we can furnish in this style—not to speak of an equally large number of combinations from each of the other ten distinct decorative styles, for which we have patterns.

It will pay you to know what we can do for you. Our list of ceiling patterns is the most complete and most artistic upon the market.

Write for Catalogue and full particulars.

## The Berger Mfg. Co.,

CANTON, OHIO.

New York Office, 210 E. 23d St., New York, N. Y.
Philadelphia Office, 1013 Arch St., Philadelphia, Pa.
New England Branch, 176 Federal St., Boston, Mass.
Western Branch, 19 & 21 S. Main St., St. Louis, Mo.

**Specialties:—Ceiling, Roofing, Siding, Eave Trough, Conductor Pipe, Hangers, etc., etc.**

It is made of Steel.

White Tile Top.

Tin or Brass Scoop.

Brass Dial.

IMPROVED
YOUNG AMERICA SCALE.
BEST IN THE WORLD.

A most beautiful and attractive scale for all purposes. Beautifully enameled, ornamented and striped. Weighs 20-pounds by ounces. Occupies but little space. Is light and easily moved. It can be regulated by turning the brass screw on top. It is always ready and easily understood. It is a convenient scale to use and has no weights that may be lost. You can look this one in the face to prove its accuracy without looking for weights. Every scale examined before leaving the factory and warranted correct.

MANUFACTURED BY

AMERICAN CUTLERY CO., CHICAGO, ILL.

Tools FOR SHEET METALS

NIAGARA SNIPS

Tinsmiths'
Roofers'
Cornice Makers'
} TOOLS

SHEARS, PRESSES and DIES, PUNCHES, ROLLS.

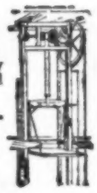
MADE BY

Niagara Machine and Tool Works

Send for Catalogue A. Buffalo, N. Y.

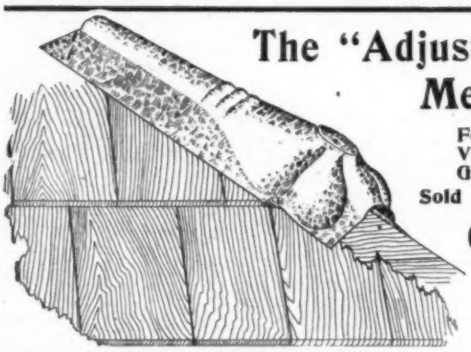
HOMESEEKER EXCURSIONS
On First and Third Tuesdays in each month to
VIRGINIA,
Via NORFOLK & WESTERN RAILWAY.
For all information as to RATES and TICKETS and for LAND PAMPHLETS and descriptive matter, address ALLEN HULL, D. P. Agt., Columbus, Ohio.

ELEVATORS



Improved, Quick and Easy Rising Steam and Hand Power.

Kimball Bros. Co.
1061 9th Street
Council Bluffs, Iowa
Omaha Branch,
108-110-112 North 11th St.



The "Adjustable" Stamped Metal Hip Shingle.

For Shingle or Slate Roofs.
Very Ornamental.
Good Sellers.
Sold to Dealers Only. Mfd. by

Galesburg Cornice Wks.
GALESBURG, ILL.

WRITE FOR DESCRIPTIVE CIRCULAR.

Crying to do business without advertising is like winking at a girl in the dark; you know what you are doing but nobody else does.

Magic Pattern Rule

Will lay out patterns for any size and angle of elbows in three minutes' time. Can also be used as Straight-edge Rule, Circumference Rule and Trammell. Should be in every Tinshop. Will save its cost in a few weeks. Thousands are in use and every one giving excellent satisfaction. Price, complete in a nice wooden box with Chart, $4.00 net cash. (Mention THE AMERICAN ARTISAN.)

Lufkin Rule Co., Saginaw, Mich.

CLASSIFIED METAL CEILINGS

'Tis a pleasant subject, and a profitable one, too. Has it ever been presented to you? We should like to take it up with you. It means money. Catalogue free.

Illinois Roofing & Supply Co.,
23 Lake Street, Chicago.

**Don't Be Deceived** but insist on

**McClure's Genuine Charcoal Iron Redipped Roofing Tin.**

McCLURE & CO.,
Manufacturers of Tin Plate,

PITTSBURGH, PA., 211, 213 and 215 Second Ave.
PHILADELPHIA, PA., 115 North 7th Street.

**STEVENS**

**Fire Arms are Standard**

They are the Most Profitable Line to Handle.
Ready Sellers and Always Give Satisfaction.

Our Catalogue is of interest to both dealer and user. All leading jobbers handle our complete line.

**J. Stevens Arms & Tool Co.,**
No. 245 BROADWAY,
CHICOPEE FALLS, MASS.

**Osborn's Charcoal Iron Old Style**

A Genuine Charcoal Iron Roofing Plate.

**Osborn's Guaranteed Old Style Roofing Tin.**

We are filling orders promptly for these two well known brands. In fact, can ship all brands of roofing plate promptly, as well as all sizes of galvanized sheets, heater pipe plates, and many sizes charcoal bright plates and black sheets.

**The J. M. & L. A. Osborn Co.,**
26-36 THE VIADUCT, CLEVELAND, O.
Columbus Address, 39 Vine St.

**We Solicit Your Orders**
FOR
**Sept., Oct. & Nov. Shipments**

**Ic 28X20 ternes, all weights.**
**Ic 28X20 coke tin, full weight.**
**200lbs.**
**190 lbs.**
**180 lbs.**
**160 lbs.**

**Galvanized Sheet Iron**
**Black Sheet Iron**
**Solder, Wire, Zinc, Etc.**

**N. & G. TAYLOR CO.,**
MANUFACTURERS TIN AND TERNE PLATES.
PHILADELPHIA.

**Two Gold Medals AT THE Paris Exposition**
**WERE AWARDED ATKINS' SAWS.**

We Are Headquarters for **Saws of All Kinds,** Saw Tools and Saw Mill Specialties.

**E. C. Atkins & Co. Inc.**
**INDIANAPOLIS, IND.**
BRANCH HOUSES: Memphis. Minneapolis. Atlanta. Portland, Ore. New York City.